

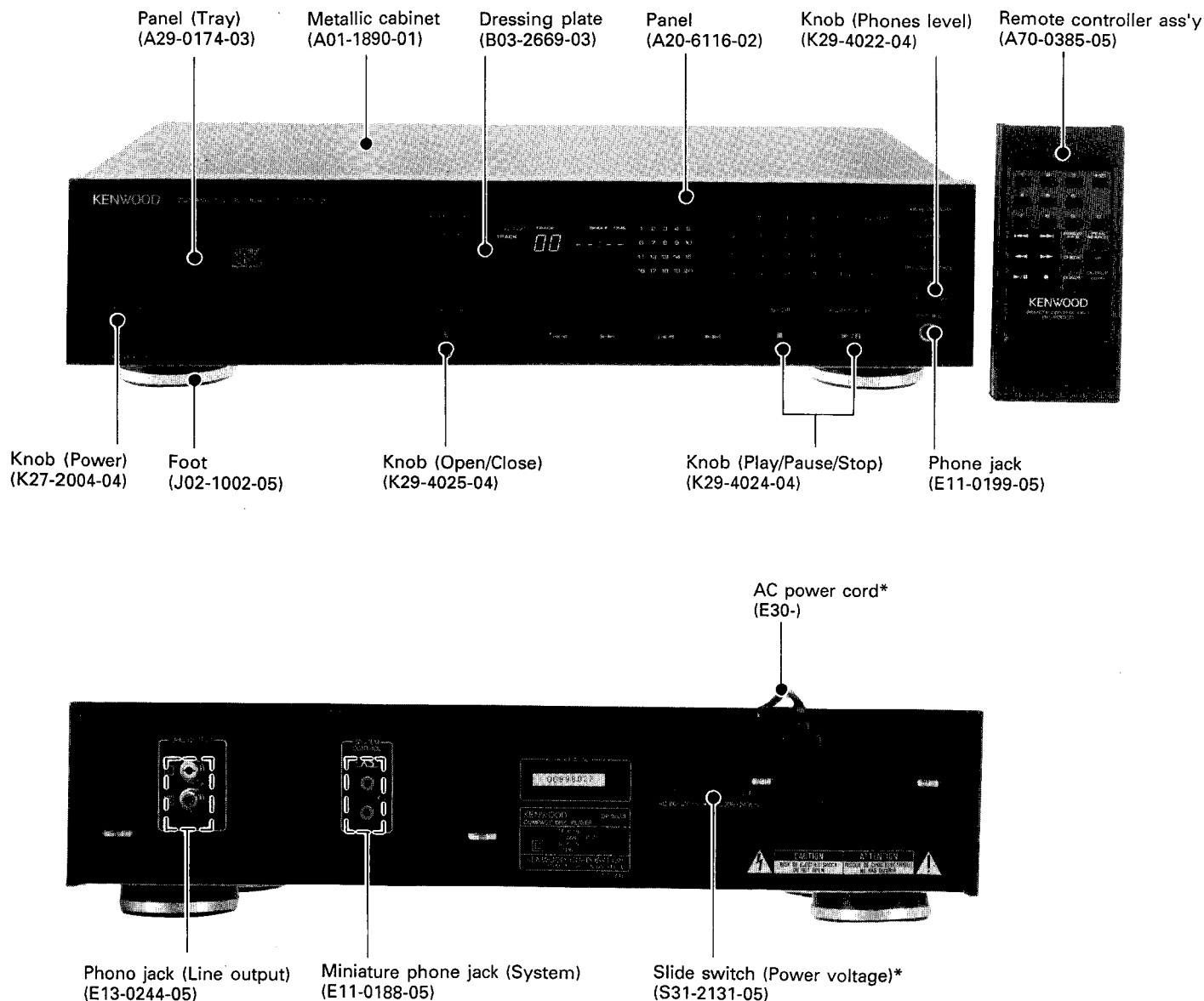
COMPACT DISC PLAYER

DP-3030/4030

SERVICE MANUAL

KENWOOD

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B51-4241-00 (O) 2153



In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD-Corp. certifies this equipment conforms to DHHS Regulations No. 21 CFR 1040. 10, Chapter 1, Subchapter J.

**DANGER : Laser radiation when open and interlock defeated.
AVOID DIRECT EXPOSURE TO BEAM.**

Photo is DP-3030

* Refer to parts list on page 25

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EXTERNAL VIEW

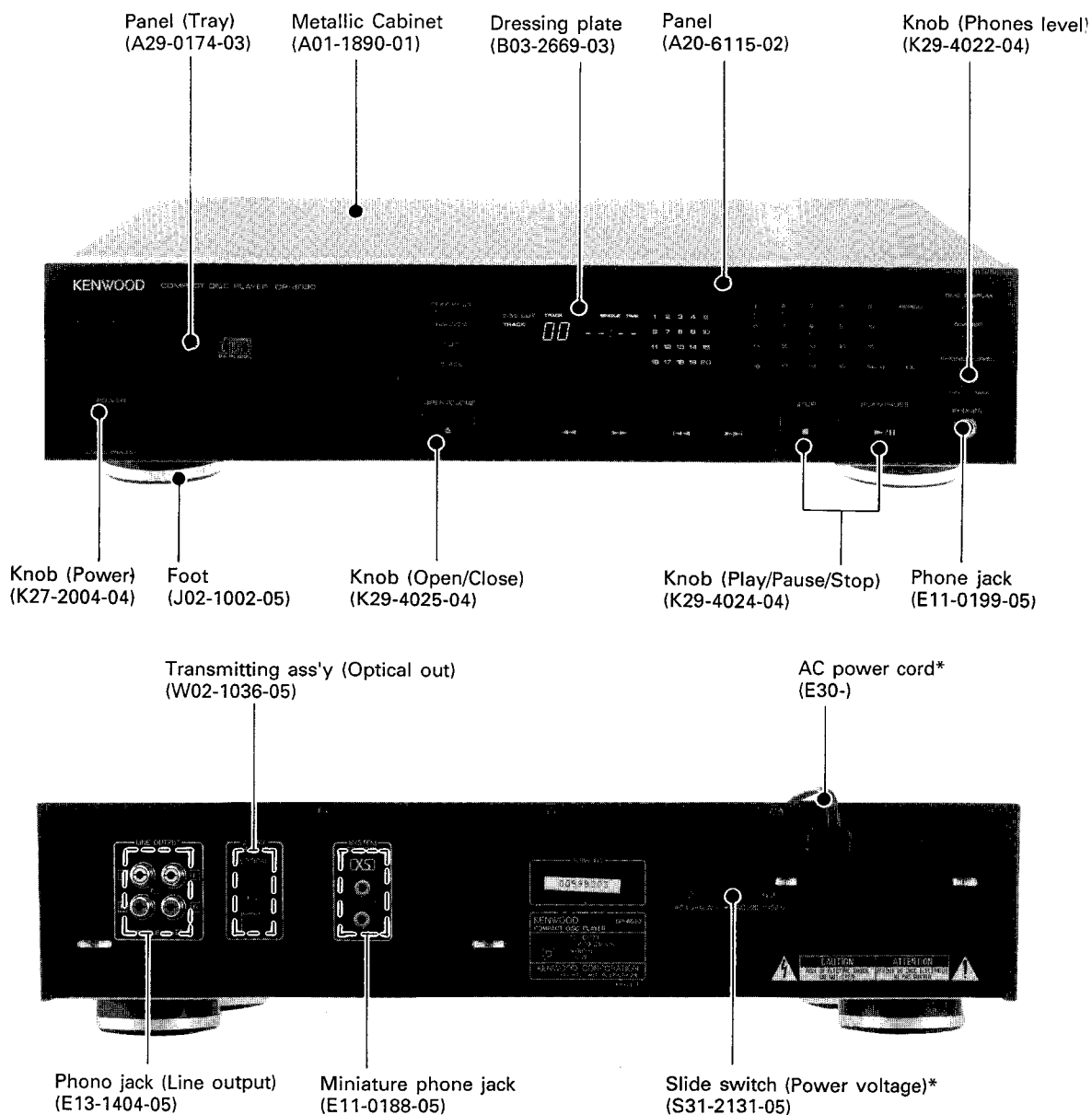


Photo is DP-4030

* Refer to parts list on page 25

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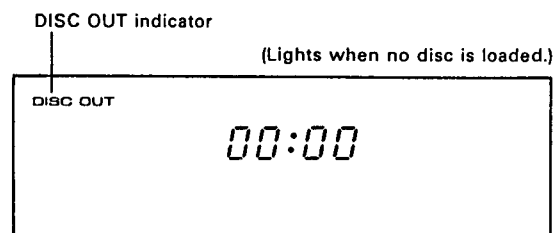
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Caution

• Note related to transportation and movement

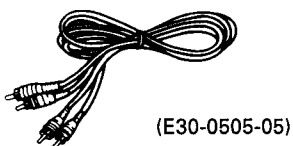
Carry out the operations listed before transporting or moving this unit.

1. After making sure that there is no compact disc loaded in the unit, turn the POWER switch ON.
2. Wait for several seconds to verify that the DISC OUT indicator (OUT) lights on the display, and then turn the POWER switch back OFF.

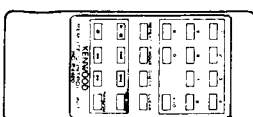


Accessories

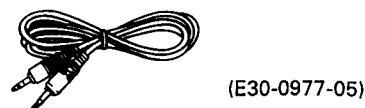
- Audio cord 1



- Remote control unit 1



- System control cord 1
(Except for the U.K. and Europe)



- Battery ("AA" or "R06") 2

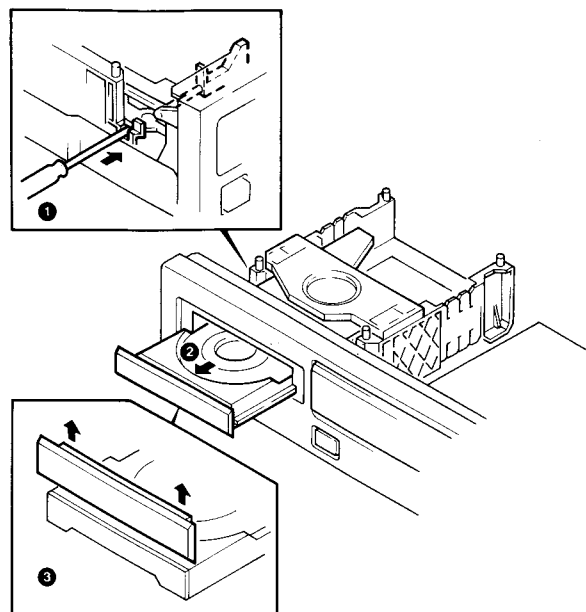


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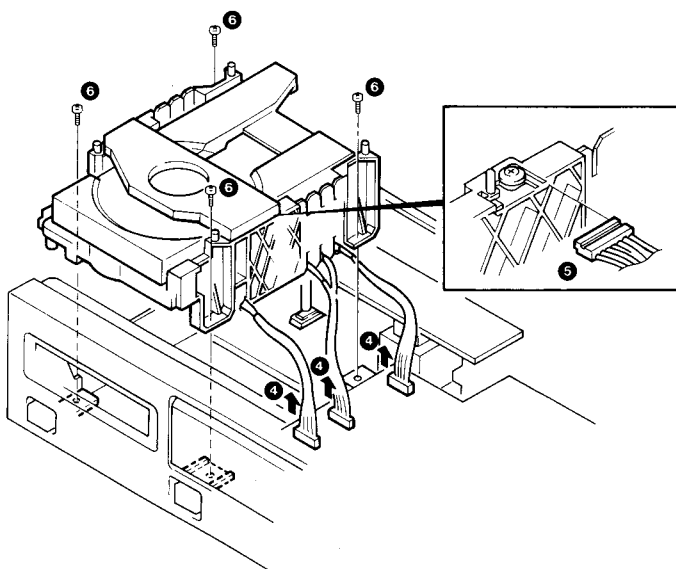
DISASSEMBLY FOR REPAIR

1. HOW TO DISASSEMBLE MECHANISM

1. Insert the screw driver to the left-side hole of mechanism ass'y (❶) and push the slider
2. Pull out the tray (❷).
3. Remove tray panel (❸).

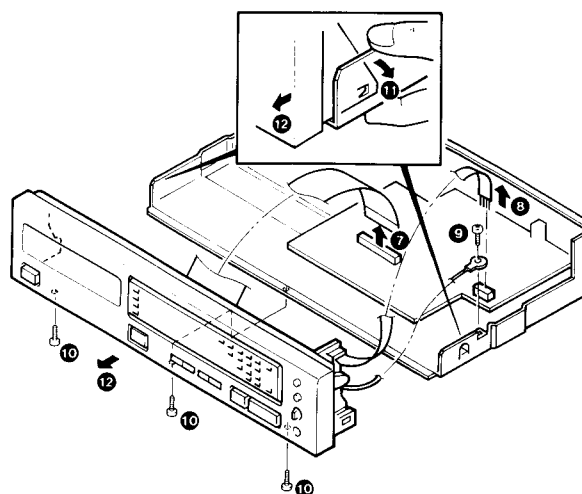


4. Push the tray backwards.
5. Remove 3 connectors (❹).
6. Set CN1 connector to LD short-pin (❺).
7. Remove 4 screws (❻).



2. HOW TO REMOVE FRONT PANEL

1. Remove the flexible cable (❷).
2. Remove the cable from connector (❸).
3. Remove the screw and also GND wire from chassis (❹).
4. Remove the 3 screws (❺).
5. Disengage the stoppers on both side of front panel (❻) and the front panel (❼).

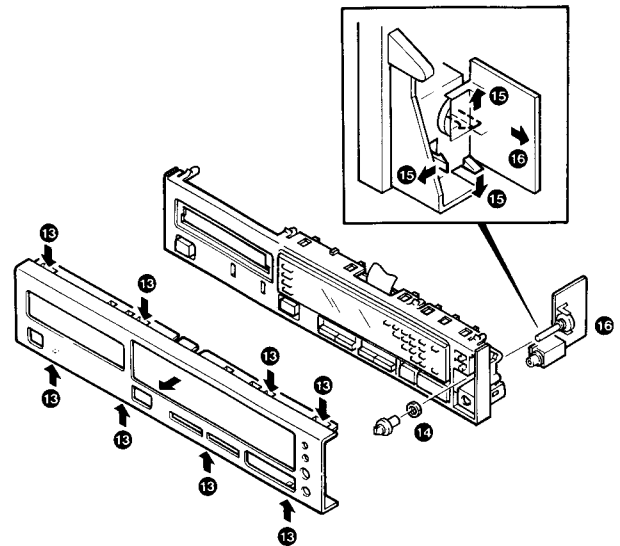


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DISASSEMBLY FOR REPAIR

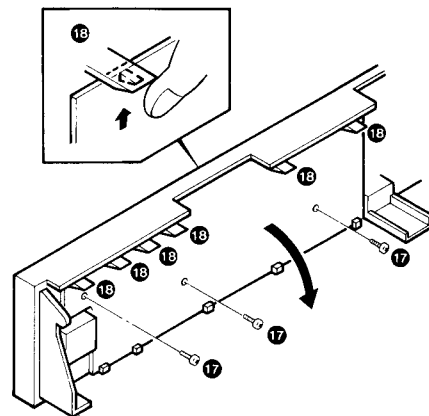
3. HOW TO REMOVE HEADPHONE PC BOARD

1. Remove 8 stoppers (13) and front panel.
2. Remove knob and nut (14).
3. Remove 3 stopper (15) and pc board (16).



4. HOW TO REMOVE DISPLAY PC BOARD

1. Remove 3 screws (17).
2. Remove 6 stoppers (18) and pc board (19).

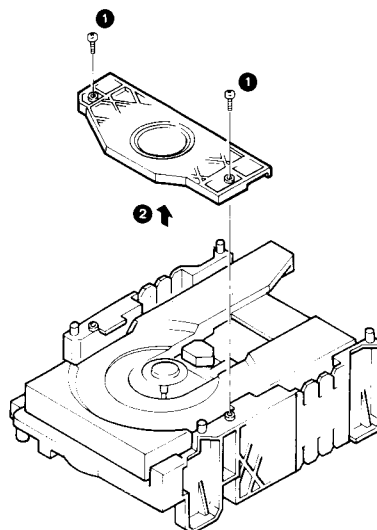


DP-3030/4030

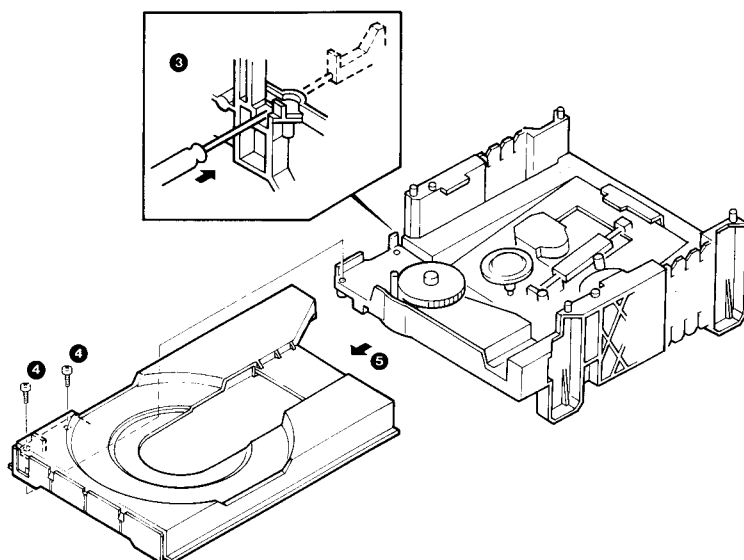
DISASSEMBLY FOR REPAIR

5. HOW TO REMOVE TRAY

1. Remove 2 screws (❶).
2. Remove clamber ass'y (❷).

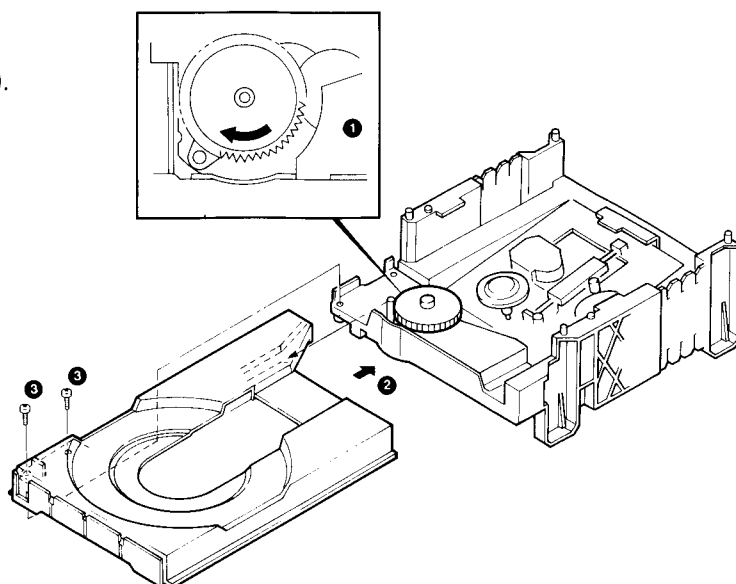


3. Insert the driver to left-side hole of mechanism ass'y and push the slider (❸).
4. Remove 2 screws (❹).
5. Tray can be pulled out (❺).



6. HOW TO MOUNT TRAY

1. Set the pole to fully clockwise (❶).
2. Insert the tray to both-side guide on chassis (❷).
3. Fix 2 screws (❸).



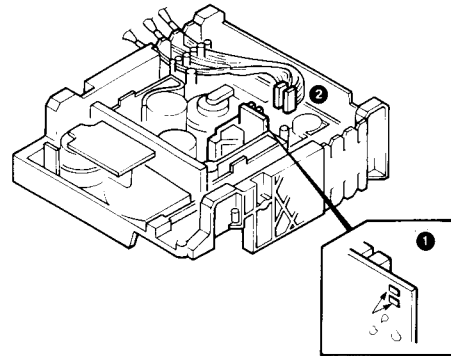
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DISASSEMBLY FOR REPAIR

7. HOW TO REPLACE THE PICKUP

Short the short-land of the pickup before the following procedures (1).

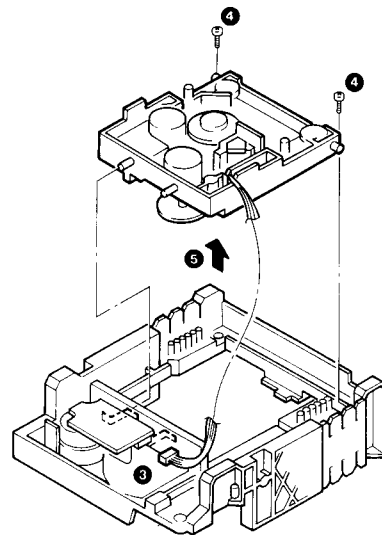
1. Remove 2 connectors (2).



2. Remove the connector (3).

3. Remove 2 screws (4).

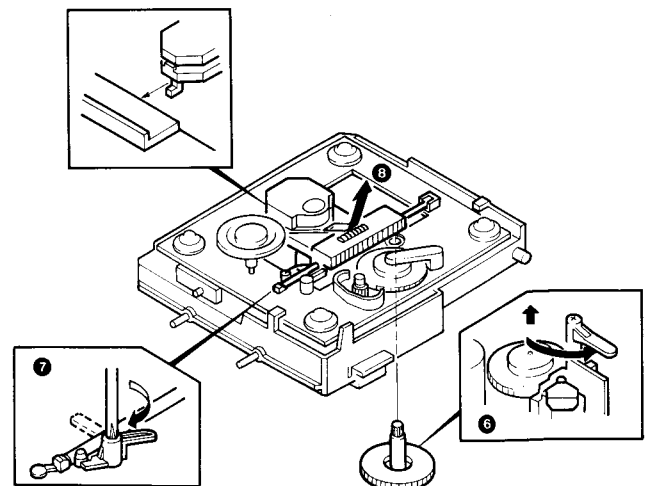
4. Remove the mechanism drive (MD) ass'y (5).



5. Remove stopper and gear (6).

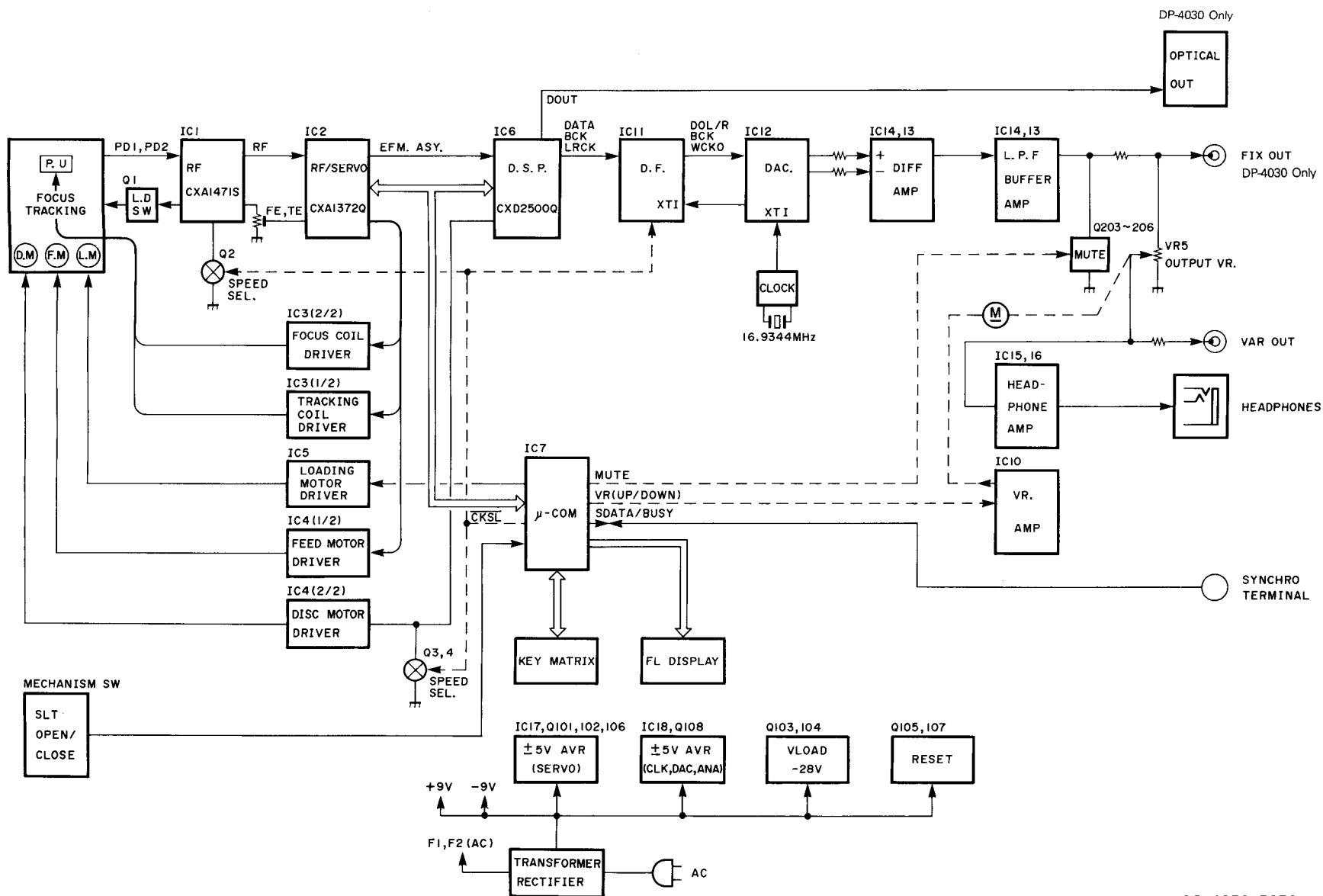
6. Remove rod stopper (7).

7. Remove the pickup ass'y (8).



Note : When mounting the pickup, in the reverse order of disassembly. Unsolder the short land after connecting the flexible wire.

BLOCK DIAGRAM



DP-4030/3030

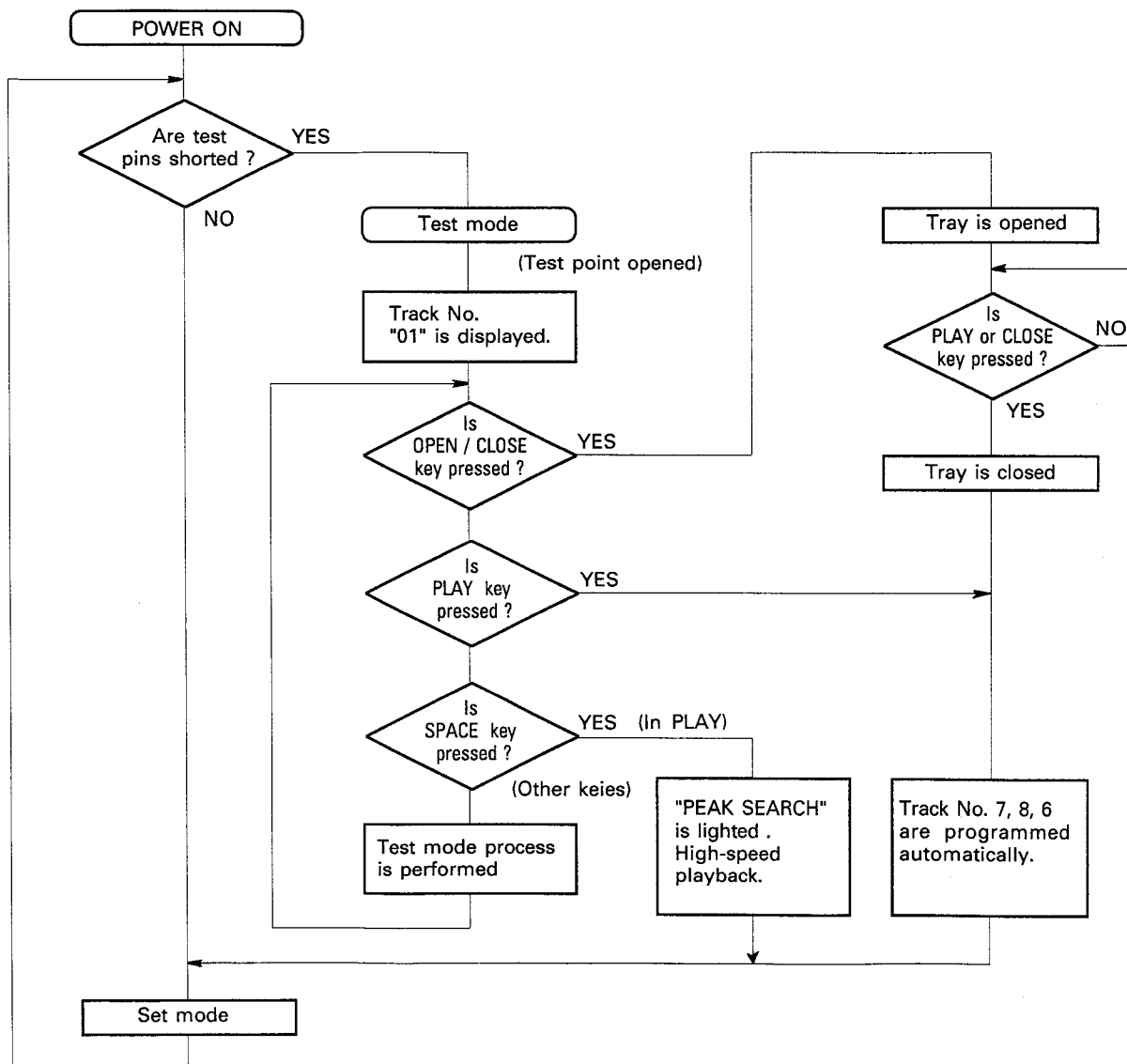
CIRCUIT DESCRIPTION

1. Test Mode

1-1. Setting the test mode

The microprocessor built in this unit (X32-1730-10) can be put to TEST MODE by just short-circuiting the test pins (#3 and 4).

The TEST MODE can be also initiated with short-circuiting the test pins when tray is open. If unit is in test mode, TRACK NO. displays "05".



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CIRCUIT DESCRIPTION

1-2. Key and functions valid in test mode

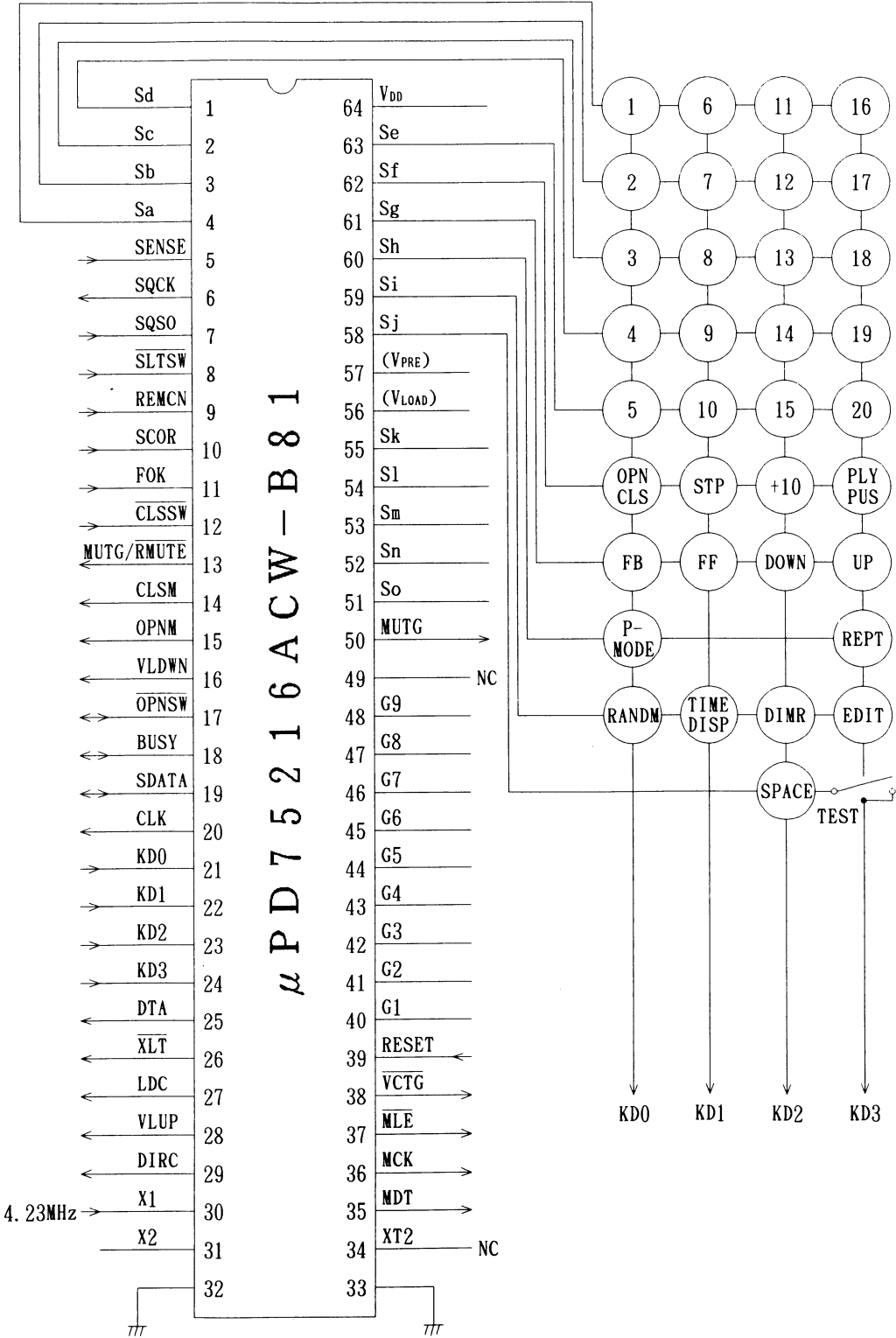
No.	Input key	Function	Track No. display																																				
1	PLAY	(1) Focusing servo ON (2) Tracking servo ON (3) Feed vervo ON	TRACK NO. 05 ↓ Displayed for a few seconds after completion (1), (2) and (3). ↓ Disc Track No. is displayed.																																				
2	RANDOM	(1) Focusing servo ON (2) Tracking servo OFF (3) Feed servo OFF	TRACK NO. 03																																				
3	STOP	(1) Focusing servo OFF (2) Tracking servo OFF (3) Feed servo OFF	TRACK NO. 01																																				
4	▶▶	In the STOP mode, moves the pickup slightly toward the outer position of disc.	-																																				
5	◀◀	In the STOP mode, moves the pickup slightly toward the inner position of disc.	-																																				
6	UP ▶▶	Turns all FL display lamps ON.	TRACK NO. 88																																				
7	DOWN ◀◀	Turns all FL display lamps OFF. "TRACK NO." is lighted.	TRACK NO. 88																																				
8	REPEAT	(1) Tray Opened (2) Laser ON The REPEAT function is canceled when the tray is closed by pressing the tray. "REPEAT" figures is lighted.	TRACK NO. 02																																				
9	P. MODE	Track No. 7, 8, and 6, are programmed and playback . The test mode is canceled.	-																																				
10	SPACE	High-speed playback in play mode	-																																				
11	OPEN/CLOSE	When the tray is opened then closed. Track No. 7,8, and 6 are programmed and set is in STOP mode. The test mode is canceled.	TRACK NO. 07																																				
12	Numeric key (1~10)	Jumps tracks as shown below. <table><tr><td>Key</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td>Number of tracks</td><td>1</td><td>4</td><td>32</td><td>128</td><td>1000</td></tr><tr><td>Direction</td><td colspan="5">Outer</td></tr><tr><td>Key</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr><tr><td>Number of tracks</td><td>1</td><td>4</td><td>32</td><td>128</td><td>1000</td></tr><tr><td>Direction</td><td colspan="5">Inner</td></tr></table>	Key	1	2	3	4	5	Number of tracks	1	4	32	128	1000	Direction	Outer					Key	6	7	8	9	10	Number of tracks	1	4	32	128	1000	Direction	Inner					-
Key	1	2	3	4	5																																		
Number of tracks	1	4	32	128	1000																																		
Direction	Outer																																						
Key	6	7	8	9	10																																		
Number of tracks	1	4	32	128	1000																																		
Direction	Inner																																						

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CIRCUIT DESCRIPTION

2. Microprocessor : μ PD75216ACW-B81 (IC7)

2-1.Terminal connection diagram



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CIRCUIT DESCRIPTION

2-2. Explanation of terminals

Terminal No.	Terminal Name	I/O	Function Name	Function
1~4	S3-S0	O	d~a	FL segment control terminals (Also used for key scan signal).
5	P00/INT4	I	SENSE	Signal detection terminal for SENSE signal from signal processor and servo ICs.
6	P01/SCK	I	SQCK	Q data read clock input terminal.
7	P02/SO	I	SQSO	Q data input terminal.
8	P03/S	I	SLTSW	Sled limit switch (Innermost position : "L").
9	P10/INT0	I	REMCN	Input terminal remote control.
10	P11/INT1	I	SCOR	Sub-code frame sync detection signal input terminal.
11	P12/INT2	I	FOK	Input terminal for FOK signal from RF amp (Focus OK : "H").
12	P12/T10	I	CLSSW	Tray close switch (Close : "L").
13	P20	O	MUTG/RMUTE	Analog muting control (Active "L"). Digital muting control (Active "H").
14	P21	O	CLSM	Tray motor close terminal (Active "H").
15	P22	O	OPNM	Tray motor open terminal (Active "H").
17	P30	I	OPNSW	Tray open switch (Open "L").
18	P31	I/O	BUSY	Serial BUSY signal input/output terminal.
19	P32	I/O	SDATA	Serial DATA signal input/output terminal.
20	P33	O	CLK	Signal processor and servo IC control output terminal (CLOCK).
21~24	P60~63	I	KD0~KD3	Input terminals for key return signals from key matrix.
25	P40	O	DATA	Signal processor and servo IC control output terminal (DATA).
26	P41	O	XLT	Signal processor and servo IC control output terminal (LATCH).
27	P42	O	LDC	Laser ON/OFF signal output terminal (Active "L").
29	P22	O	DIRC	DIRC terminal of servo IC.
30	X1	I	X1	System clock input terminal.
31	X2	-	X2	Not used.
32	Vss	-	Vss	GND.
33,34	XT1,2	-	-	Not used (XT1 : GND).
35	P50	O	MDT	Transfer data to Digital filter.
36	P51	O	MCK	Clock for Digital filter.
37	P52	O	MLE	Latch for Digital filter.
38	P53	O	VCTG	High-speed control signal.
39	RESET	I	RESET	Reset input terminal (Active "L").
40~48	T0~8	I	G9~1	FL digit control terminals.
49	T9	-	-	Not used.
50	PH3	O	MUTG	Not used.
51~55	S13~10	O	o~k	FL segment control terminal.
56	VLOAD	I	VLOAD	FL drive negative power supply (-30V).
57	VPRE	I	VPRE	FL predrive power supply (-5V).
58~63	S9~4	O	j~e	FL segment control terminals (Also used for key-scan signal).
64	VDD	I	VDD	Power supply (+5V).

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MECHANISM OPERATION DESCRIPTION

Mechanism Operation Description

Fig. 1 shows the relationship of mechanisms in the STOP mode. The OPEN/CLOSE operation of the mechanism and the UP/DOWN operation of the pickup chassis when loading the disc are description below.

Note 1 : The black arrow (OPEN) and the while arrow (CLOSE) in the operation description have the following meanings :
Black arrow (OPEN) : Tray opening direction (Tray OPEN)
White arrow (CLOSE): Tray closing direction (Tray CLOSE)
Note 2 : Figures in the bracket () in the operation description or accompanied with the part name in the diagra show the reference numbers in the Exploded View.

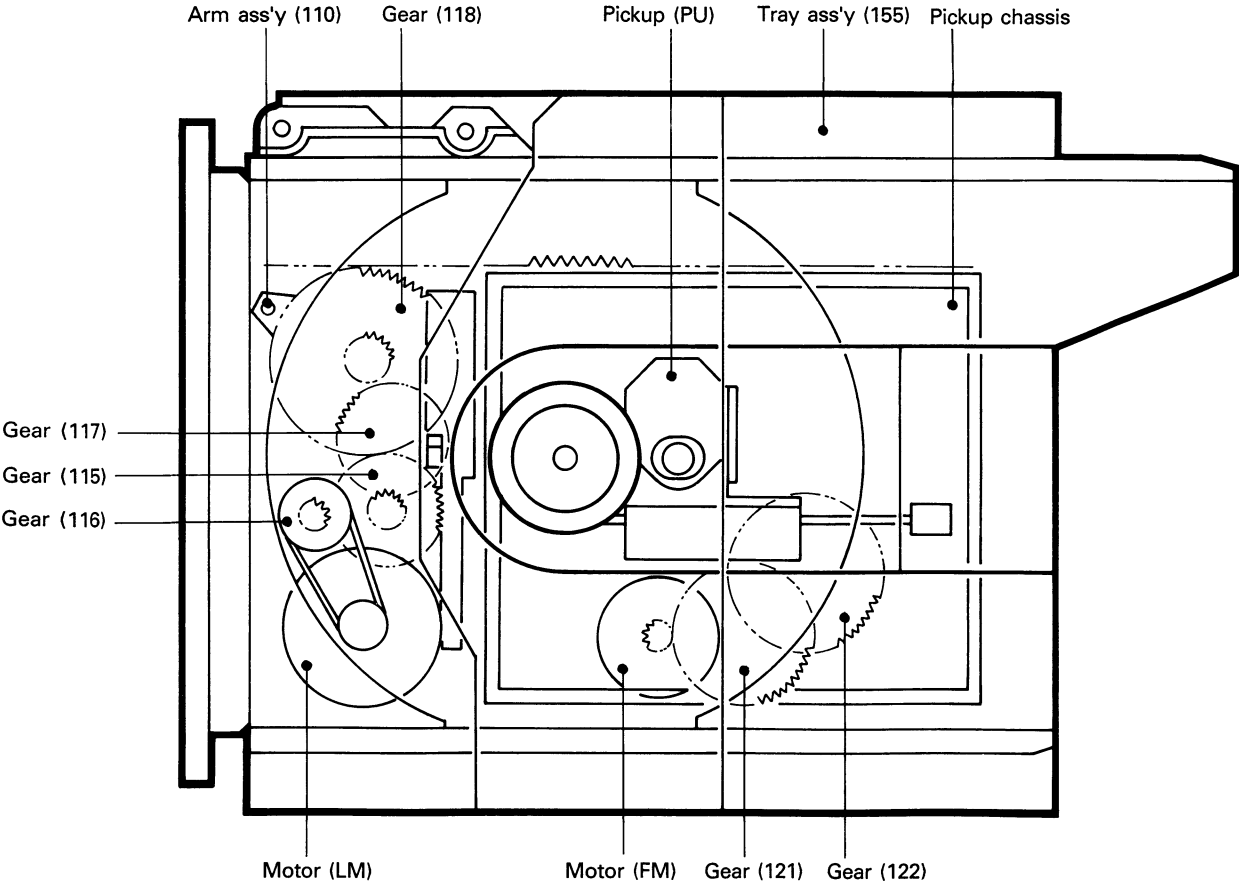
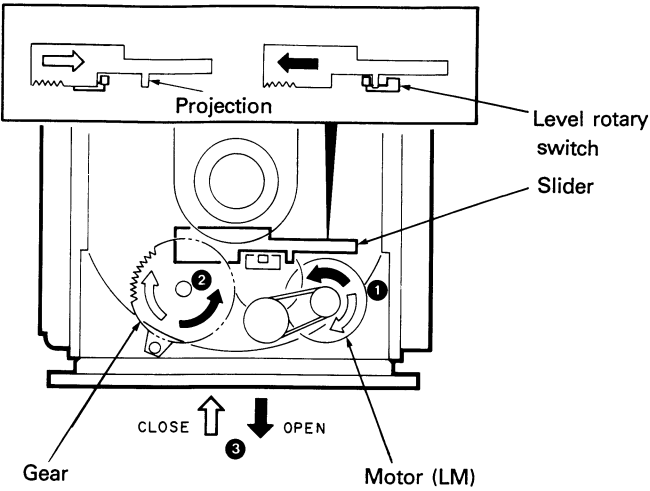


Fig.1

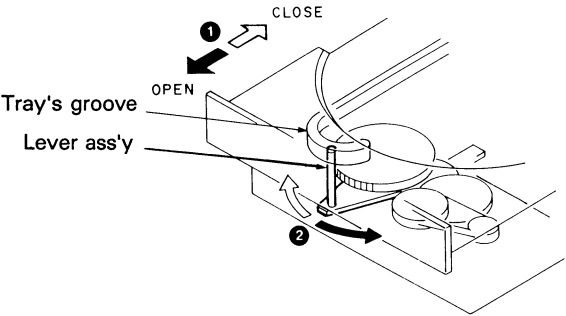
DP-3030/4030
MECHANISM OPERATION DESCRIPTION

MECHANISM OPERATION

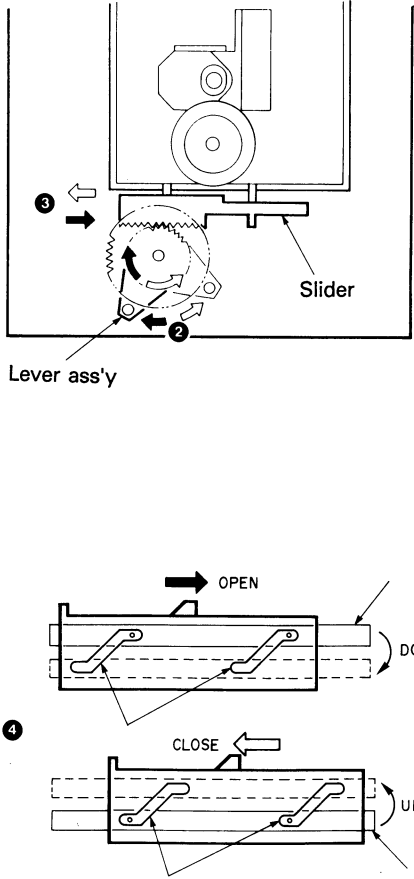
1. OPEN/CLOSE FUNCTION
By the rotaion of the loading motor (①),Gear (②), isrotate and the tray starts OPEN/CLOSE operation (③).
The OPEN/CLOSE operation stops when the projec- tion of the slider comes in contact with the detection switch (④).



2. PICKUP CHASSIS TRAVELING
According to tray's OPEN/CLOSE operation (①), the shaft of lever moves (②). And then slider travels by the lever with gear (③).



Along with the grooves in the lever, the pickup cahassis moves up and down (④).



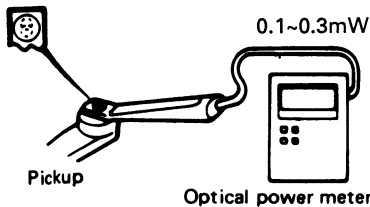
DP-3030/4030

ADJUSTMENT

No.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG
1	LASER POWER	-	Set the sesor section of the optical power meter on the pickup lens.	Short-circuit pins TEST and turn the power on to enter the test mode. Press the RANDOM key to check that the LD emits light.	-	On the power from 0.1 to 0.3mW, when the diffraction grating is correctly aligned with the RF level of 1.0Vp-p or more	(a)
2	TRACKING ERROR	Test disc Type 4	Connect an oscilloscope as follows. CH1: RF (CN5-1) CH2: TE (CN5-6)	Prss the RANDOM key. Confirm that the display is "03".	TE BALANCE VR2	Symmetry between upper and lower or DC=0±0.02V	(c)
3	FOCUS ERROR	Test disc Type 4	Connect an oscilloscope as follows. CH1: RF(CN5-1) CH2: TE(CN5-6)	Press the PLAY key. Confirm that the display is "05".	FE BALANCE VR1	Optimum eyepattern	(d)
4	FOCUS GAIN	Test disc Type 4 Apply signal of 1.0kHz,100mVrms to CN5 pin 2-3.	Connect a LPF to CN5 pin 2-3 to which connect an oscilloscope or an AC voltmeter.	Press the PLAY key. Confirm that the display is "05".	FOCUS GAIN VR3	Two VTVMs should read the same value.	(e)
5	TRACKING GAIN	Test disc Type 4 Apply signal of 1.2kHz,100mVrms to CN5 pin 5-6.	Connect a LPF to CN5 pin 5-6 to which connect an oscilloscope or an AC voltmeter.	Press the PLAY key. Confirm that the display is "05".	TRACKING GAIN VR4	Two VTVMs should read the same value.	(e)

(Note) Type 4 disc: SONY YDS-18 Test Disc or equivalent.
LPF: Around 47kohms+390pF or so.
Step 1~6 are in Test Mode.

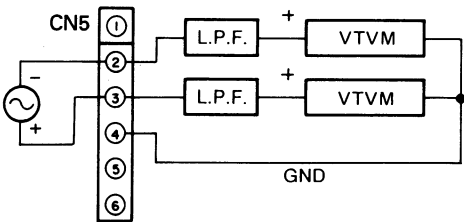
(a) Laser Power



(e) Focus Gain, Tracking Gain

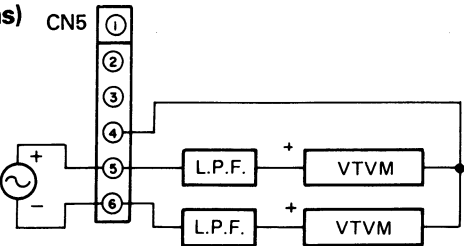
Focus gain : 0dB (0.1Vrms)

1.0kHz
100mV



Tracking gain : 0dB (0.1Vrms)

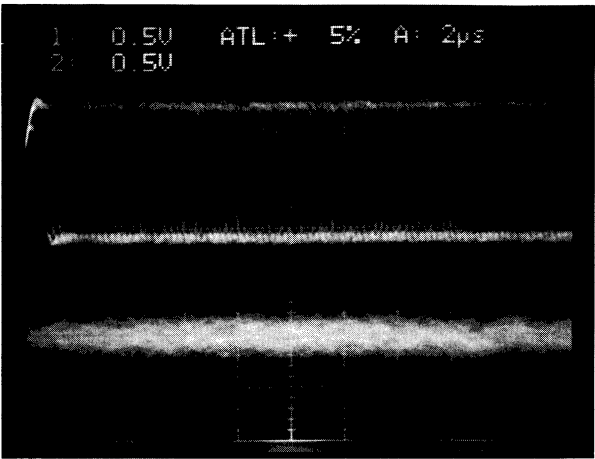
1.2kHz
100mV



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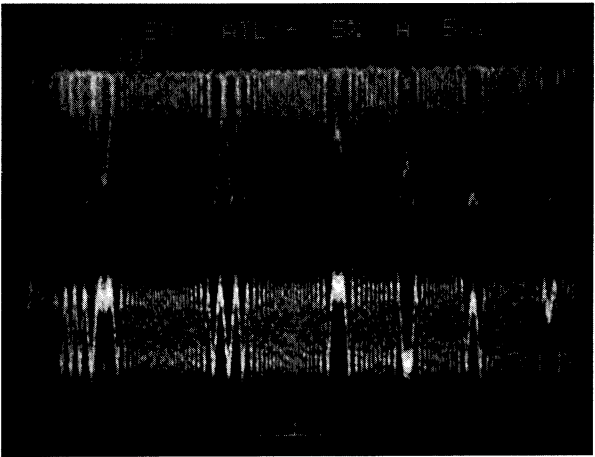
DP-3030/4030

ADJUSTMENT

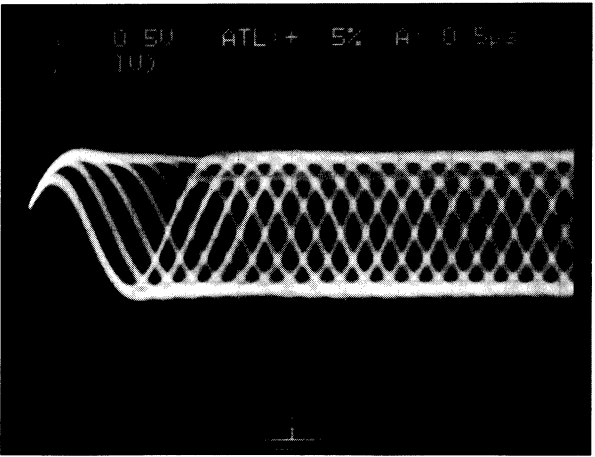


18μs

- RF signal and E.Spot signal in test mode (PLAY).
- If the diffraction grating has been adjusted properly, the influence of triggering is observed on the E.Spot waveform of approx. 18μs RF signal, in the form of a projection.



- RF signal and T.Error signal, in test mode (Focusing ON). (Disc type 4)
- Adjust T.Error so that the waveform is symmetrical above and below 0V (VR1).



- RF signal in test mode.
- Perform the tangential and focusing offset adjustments so that each of the center cross points are focused into one point on the display. The crossing points above and below the center shall also be displayed clearly.

1

2

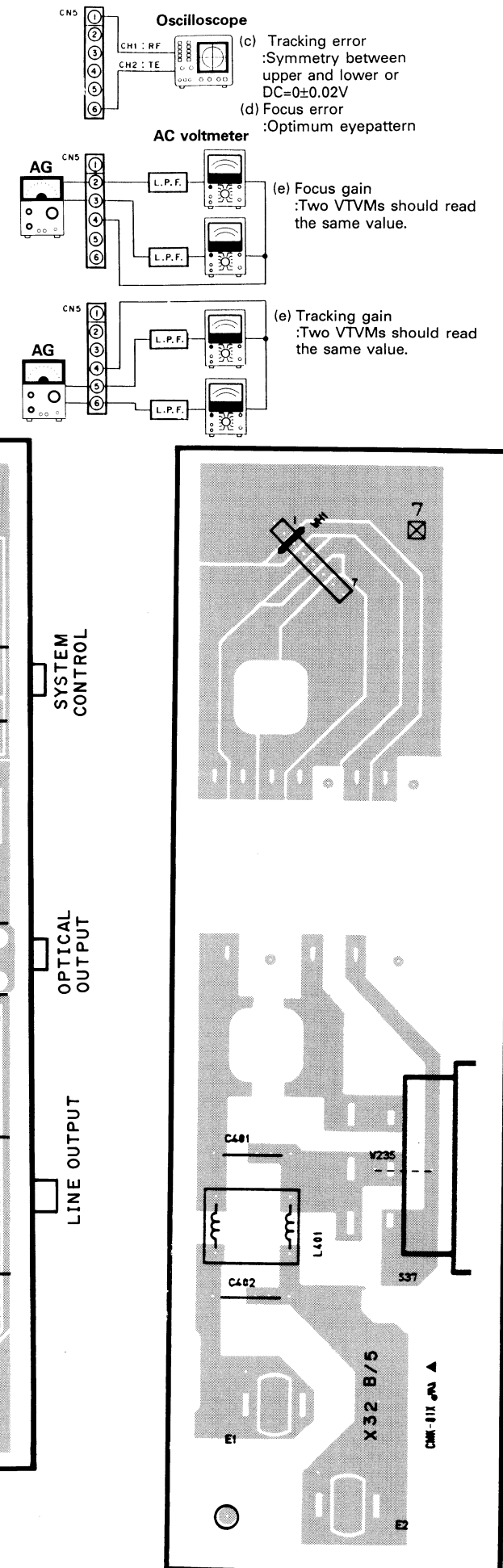
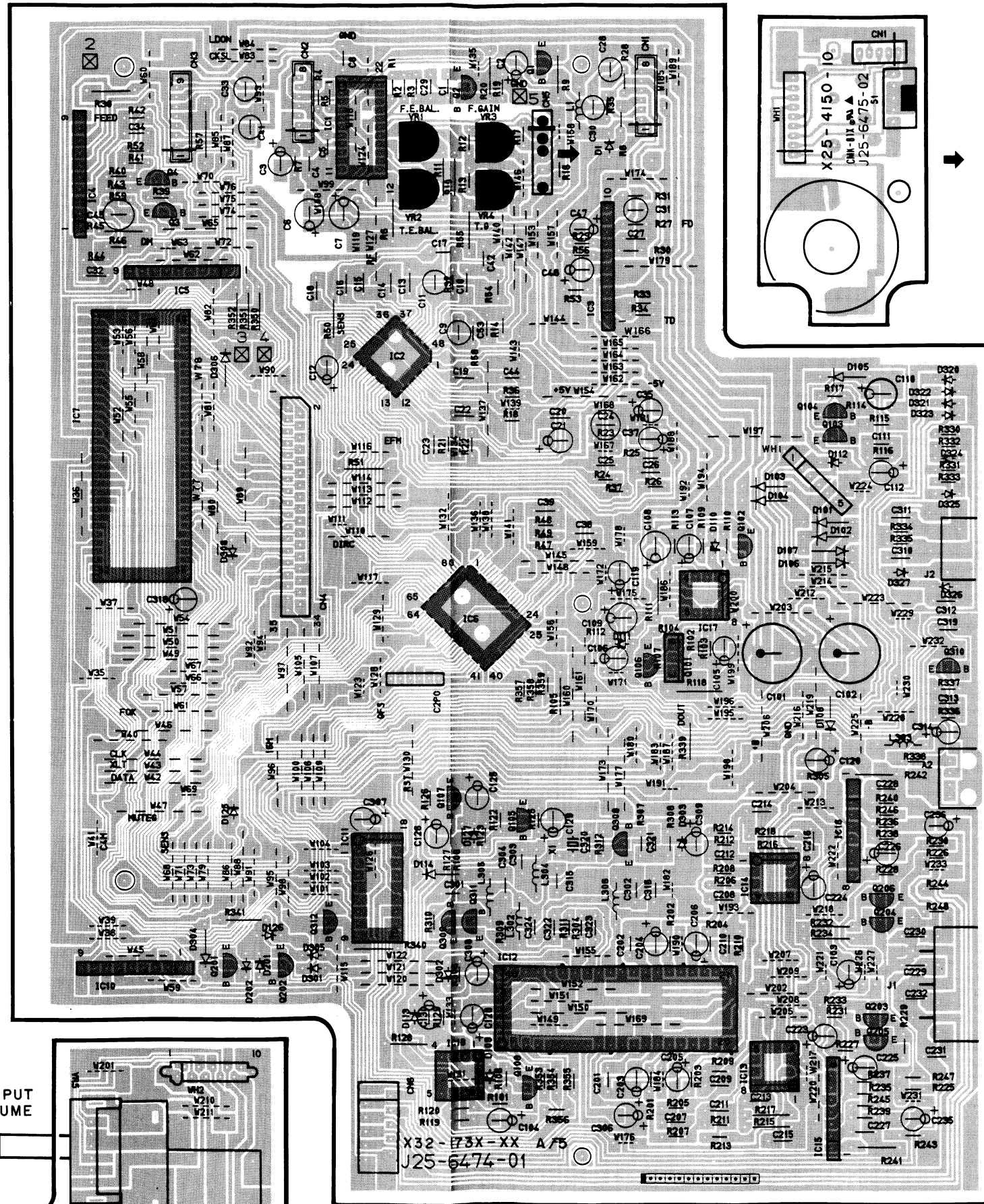
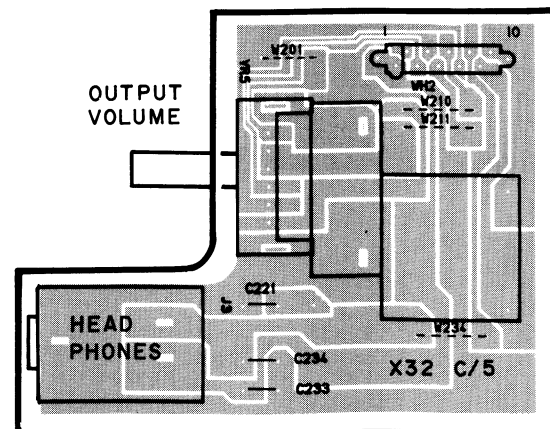
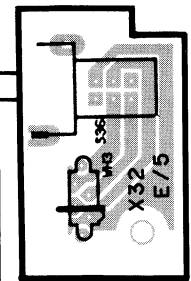
3

4

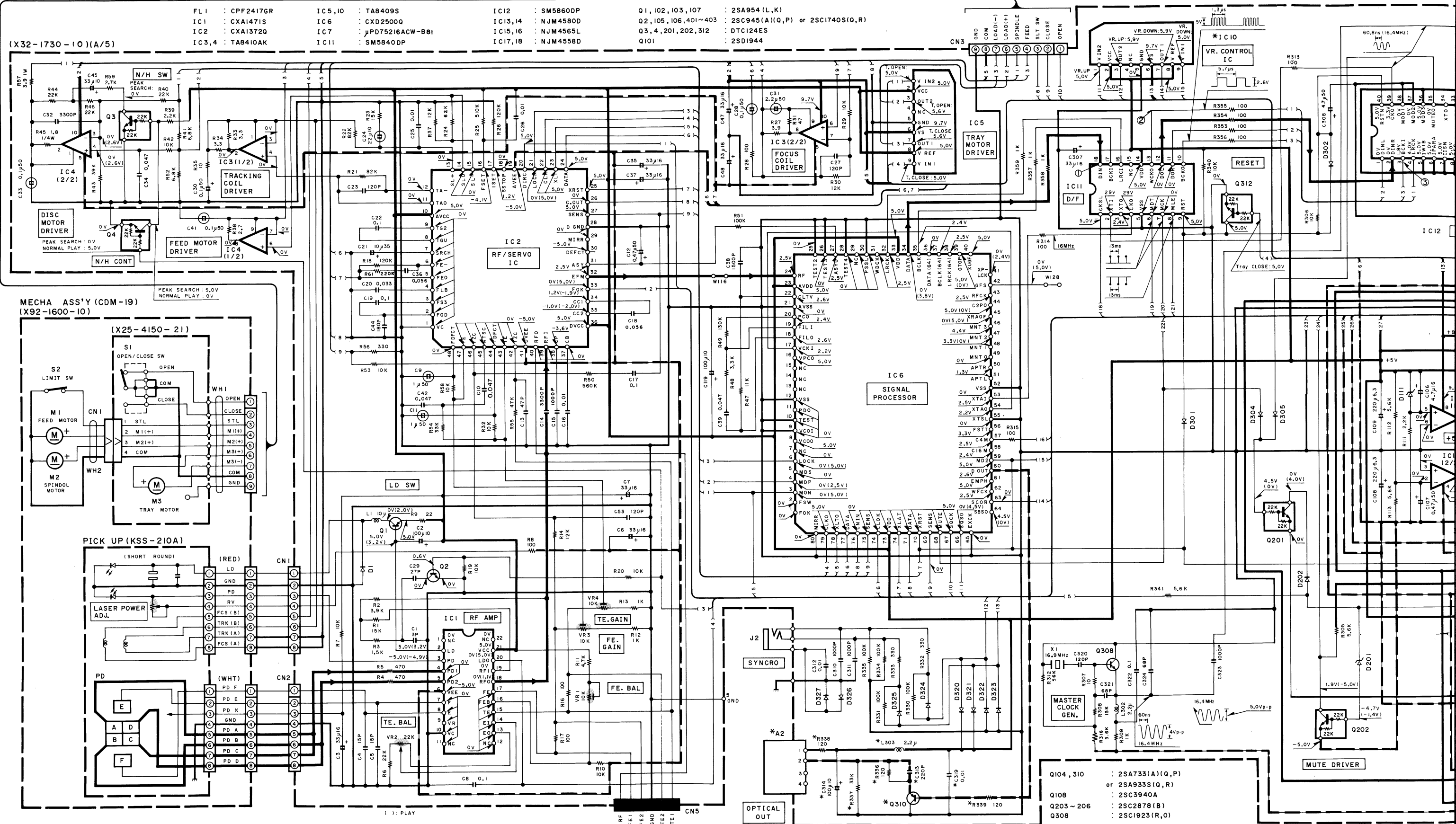
5

6

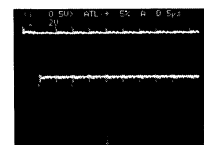
7



Refer to the schematic diagram for the values of resistors and capacitors.



① IC11 DIN-18



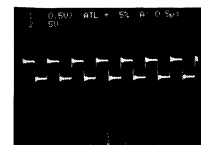
② IC11(D.F)



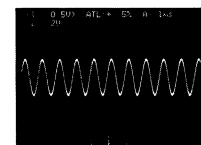
③ IC12 BCK-3



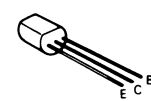
④ IC12 ROR-15



⑤ IC13 -1

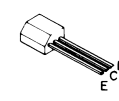


2SA733(A)
2SC1923
2SC3940A

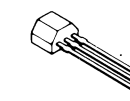


2SA954
2SC2878
2SC945(A)

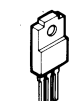
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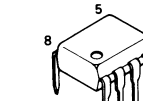
2SA933S
2SC1740S



2SD1944

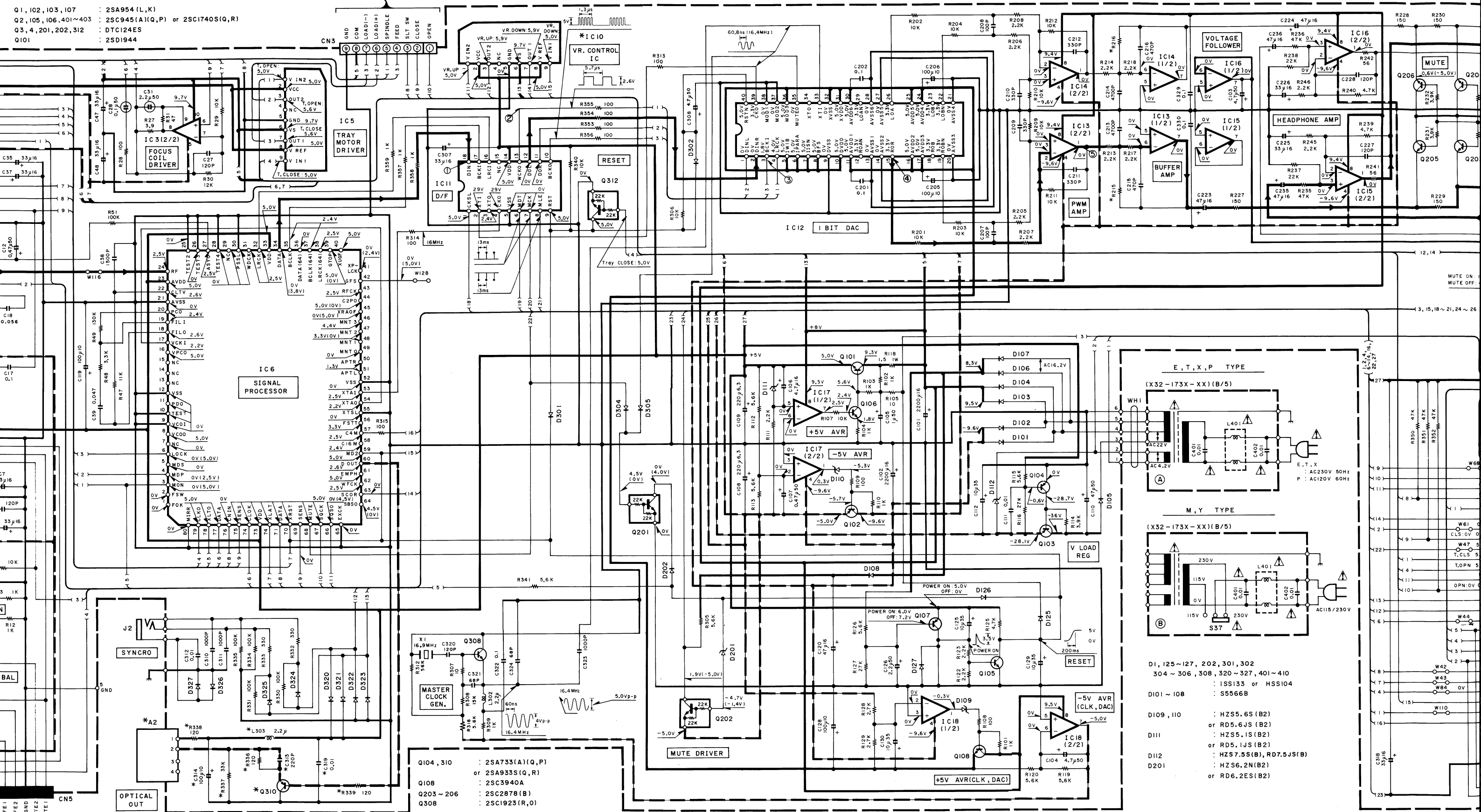


NJM4558D

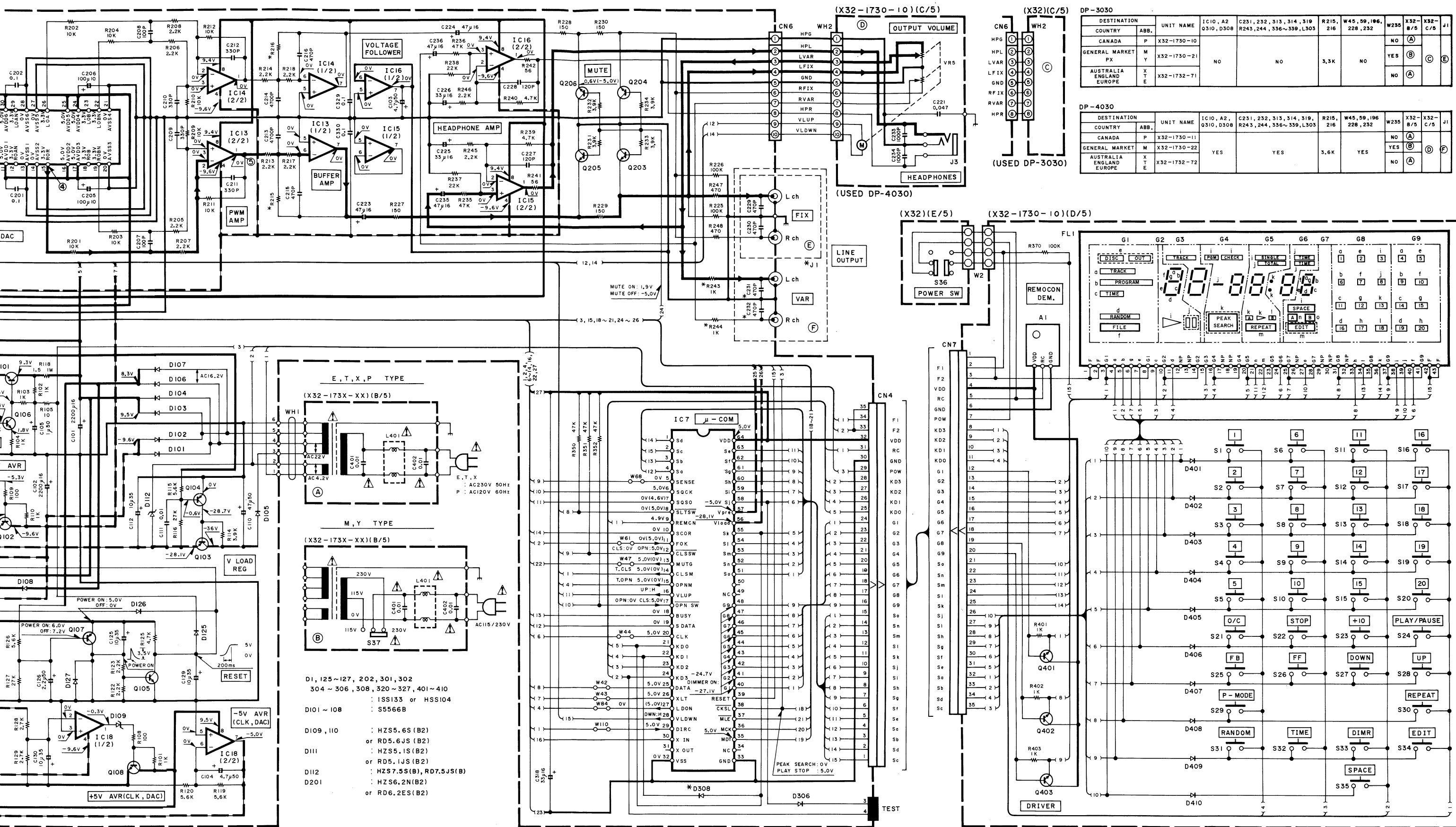


SM5860DP





- | | | | | | | | | | | | | |
|----------------------------------|--------------------------------|----------|---------------------|---------|----------|----------|---------|----------|----------|----------|-----------------|---------|
| 2SA733(A)
2SC1923
2SC3940A | 2SA954
2SC2878
2SC945(A) | DTC124ES | 2SA933S
2SC1740S | 2SD1944 | NJM4558D | SM5860DP | TA8409S | SM5840DP | TA8410AK | CXA1372Q | UPD75216ACW-B81 | NJM4565 |
|----------------------------------|--------------------------------|----------|---------------------|---------|----------|----------|---------|----------|----------|----------|-----------------|---------|

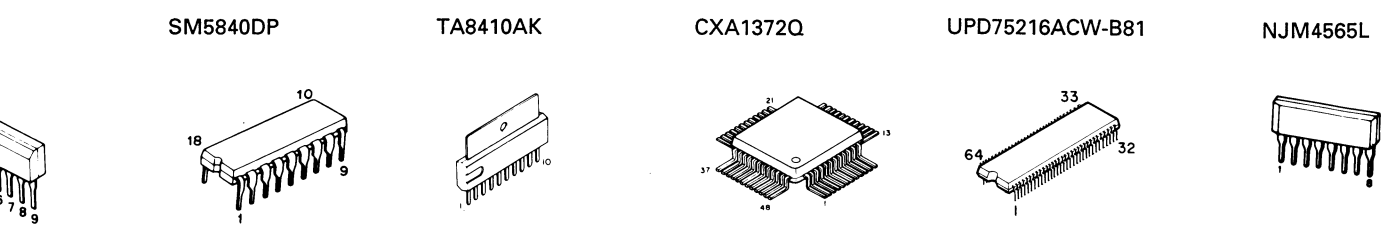


DP-3030

DESTINATION	COUNTRY	ABB.	UNIT NAME	IC10, A2, Q310, D308	C231, 232, 313, 314, 319, R243, 244, 336~339, L303	R215, 216	W45, 59, 196, 228, 232	W235	X32-8/5	X32-C/5	J1
CANADA	P	X32-1730-10							NO	(A)	(B)
GENERAL MARKET	M	X32-1730-21							YES	(B)	(C)
AUSTRALIA	X	X32-1732-71							NO	(A)	(D)
ENGLAND	T										
EUROPE	E										

DP-4030

DESTINATION	COUNTRY	ABB.	UNIT NAME	IC10, A2, Q310, D308	C231, 232, 313, 314, 319, R243, 244, 336~339, L303	R215, 216	W45, 59, 196, 228, 232	W235	X32-8/5	X32-C/5	J1
CANADA	P	X32-1730-11							NO	(A)	(B)
GENERAL MARKET	M	X32-1730-22							YES	(B)	(C)
AUSTRALIA	X	X32-1732-72							NO	(A)	(D)
ENGLAND	T										
EUROPE	E										



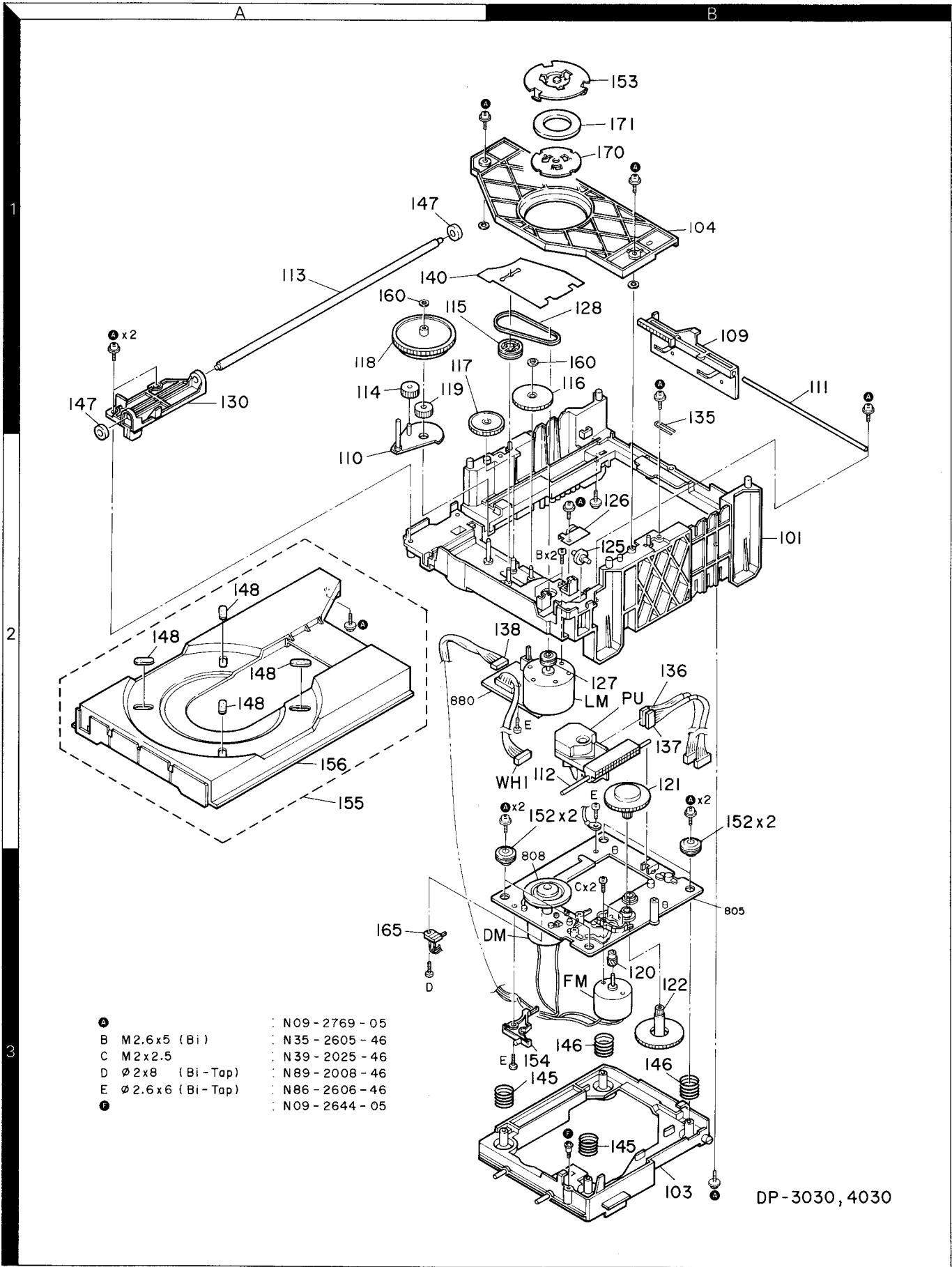
CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

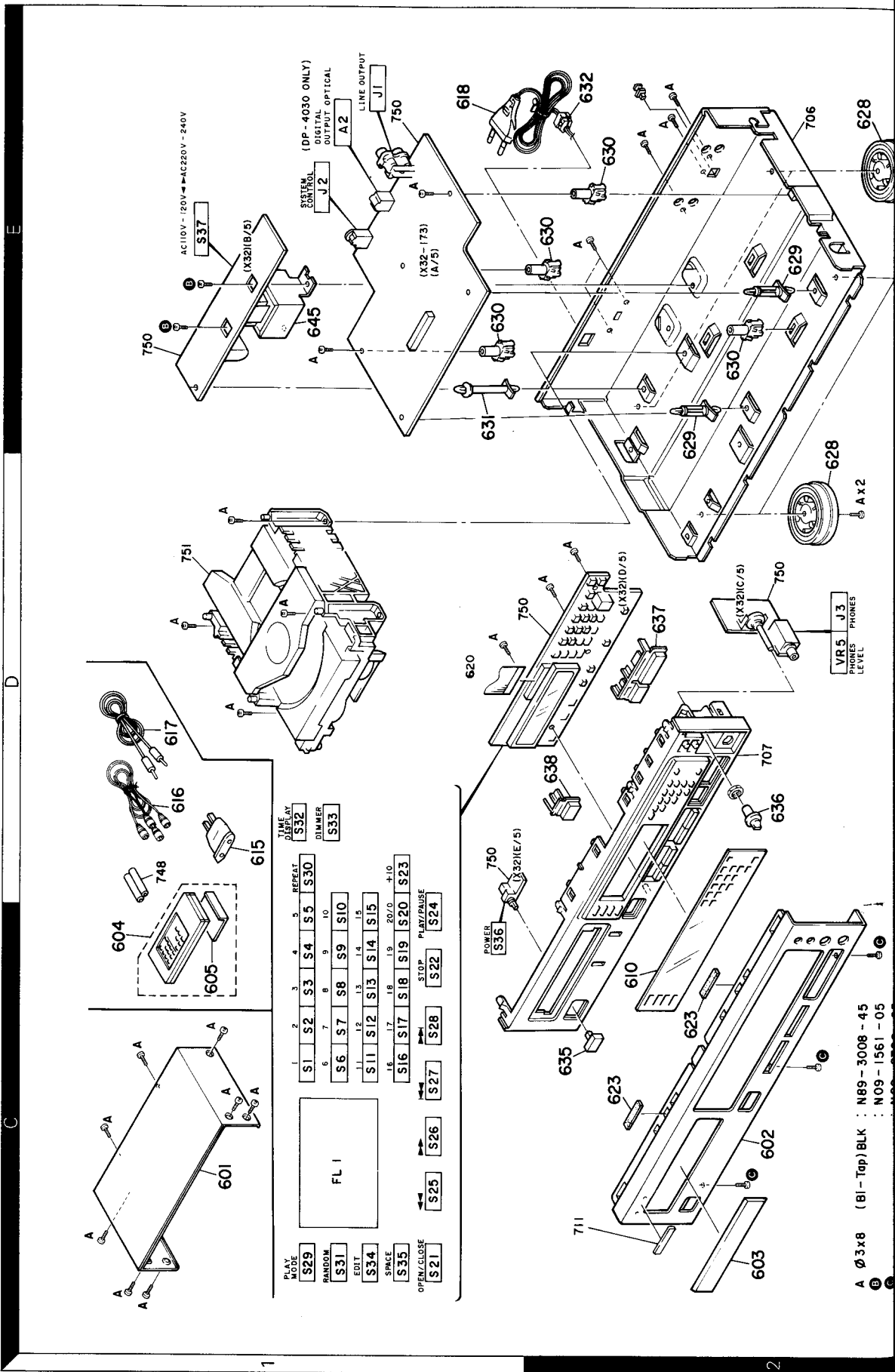
DP-3030/4030
KENWOOD

Y22-2281-00

MC-Service

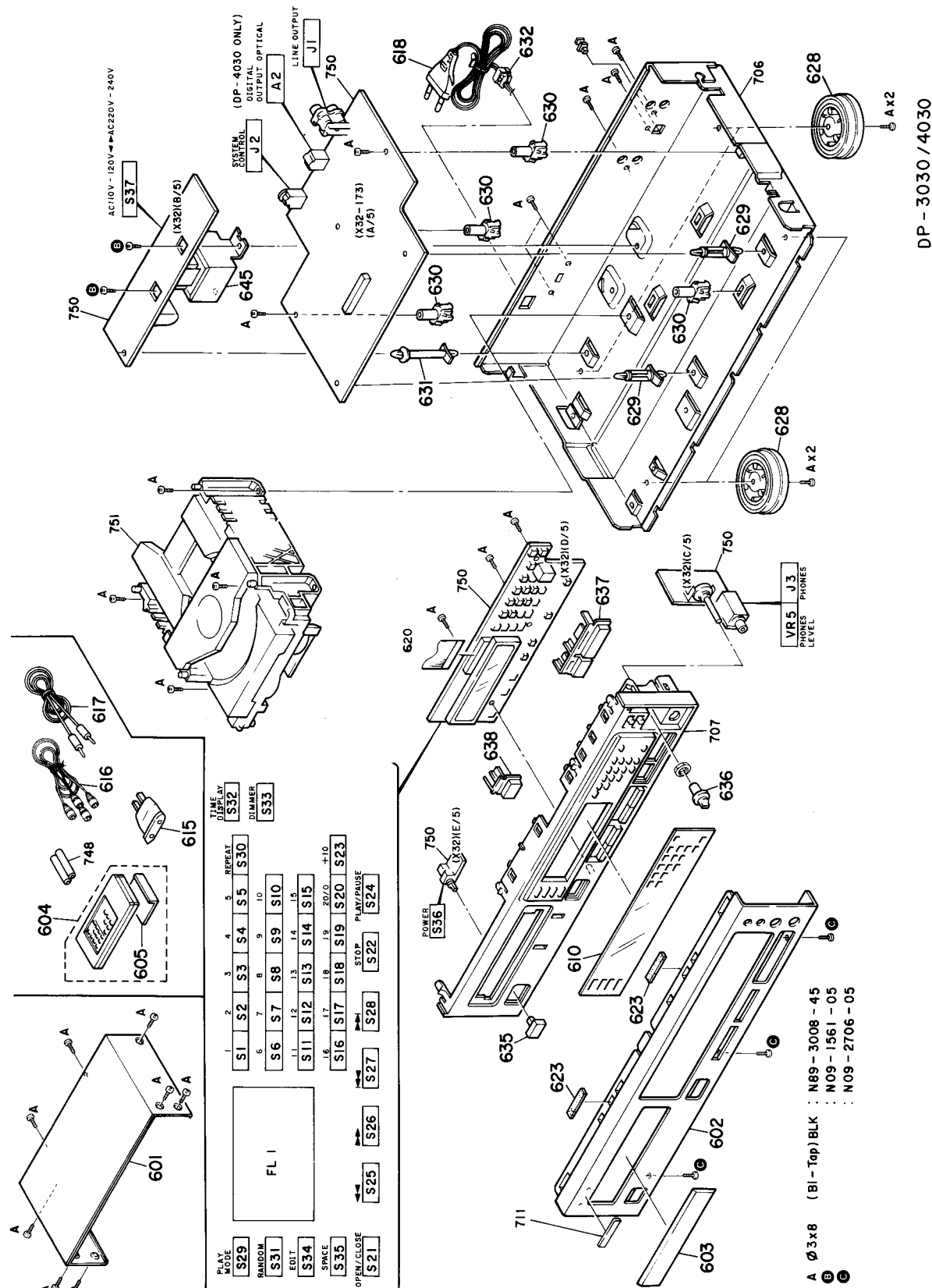


Parts with the exploded numbers larger than 700 are not supplied.



Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (UNIT)



DP - 3030 / 4030

PARTS LIST

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
601	1C	A01-1890-01	METALLIC CABINET		
602	2C	A20-6115-02	PANEL (TRAY)		
603	2C	A29-0174-03	REMOTE CONTROLLER ASSY		
604	1C	A70-0386-05	BATTERY COVER		
605	1C	A09-0104-08	DRESSING PLATE		
610	2C	B03-2669-03	POS LABEL CARD		
-	-	B44-6006-04	WARRANTY CARD		
-	-	B46-0096-23	WARRANTY CARD		
-	-	B46-0121-03	WARRANTY CARD		
-	-	B46-0122-13	WARRANTY CARD		
-	-	B60-0227-00	WARRANTY CARD		
-	-	B60-0228-00	WARRANTY CARD		
-	-	B60-0229-00	WARRANTY CARD		
-	-	B60-0256-00	WARRANTY CARD		
615	1D	E03-0115-05	AC PLUG ADAPTER		
616	1D	E30-0505-05	AUDIO CORD		
617	1D	E30-0977-05	CORD WITH PLUG		
618	1D	E30-2275-05	AC POWER CORD		
618	1E	E30-2276-05	AC POWER CORD		
618	1E	E30-2277-05	AC POWER CORD		
618	1E	E30-2284-05	AC POWER CORD		
620	1E	E30-2423-05	PARALLEL CORD		
620	1E	E31-7895-05	PARALLEL CORD		
623	2C	G11-0155-14	SOFT TAPE (40X9X2)		
-	-	H01-8887-14	ITEM CARTON CASE		
-	-	H10-5099-02	POLYSTYRENE FOAMED FIXTURE		
-	-	H10-5100-02	POLYSTYRENE FOAMED FIXTURE		
-	-	H20-0554-04	PROTECTION COVER		
-	-	H25-0232-04	PROTECTION BAG (235X350X0.03)		
-	-	H25-0330-04	PROTECTION BAG		
628	2E	J02-1002-05	UNIT HOLDER		
629	2E	J19-0517-05	UNIT HOLDER		
630	1E, 2E	J19-3241-05	UNIT HOLDER		
631	1E	J19-3385-05	UNIT HOLDER		
632	2E	J42-0083-05	POWER CORD BUSHING		
635	2C	K27-2004-04	KN0B (POWER)		
636	2D	K29-4022-04	KN0B (PHONES LEVEL)		
637	2D	K29-4024-04	KN0B (PLAY/PAUSE STOP)		
638	2D	K29-4025-04	KN0B (OPEN/CLOSE)		
645	1E	L07-0172-05	POWER TRANSFORMER		
645	1E	L07-0173-05	POWER TRANSFORMER		
645	1E	L07-0174-05	POWER TRANSFORMER		
MECHANISM UNIT (X25-4150-21)					
S1		S33-2062-05	LEVER SWITCH (OPEN/CLOSE)		
CONTROL (X32-1730-10)					
C1		CC45FSL1H030C	CERAMIC		
C2		CE04LM1A101M	ELECTRO		
C3		CE04LM1C350M	ELECTRO		
C4	5	CC45FSL1H150J	CERAMIC		
C6	7	CE04LM1C350M	ELECTRO		
C8		CF92FV1H104J	MF		
C9		C90-1349-05	NP-ELEC		
C10		CF92FV1H473J	MF		
C11		C90-1349-05	NP-ELEC		
C12		CE04LM1HR47M	ELECTRO		
C13		CC45FSL1H470J	CERAMIC		
DP-3030					
601	1C	A01-1890-01	METALLIC CABINET		
602	2C	A20-6115-02	PANEL (TRAY)		
603	2C	A29-0174-03	REMOTE CONTROLLER ASSY		
604	1C	A70-0386-05	BATTERY COVER		
605	1C	A09-0110-08	DRESSING PLATE		
610	2C	B03-2669-03	POS LABEL CARD		
-	-	B44-6006-04	WARRANTY CARD		

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25
× New Parts
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Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
DP-4030						
601	1C	*	A01-1890-01	METALLIC CABINET		
602	2C	*	A20-6115-02	PANEL		
603	2C	*	A29-0174-03	PANEL (TRAY)		
604	1C	*	A70-0386-05	REMOTE CONTROLLER ASSY		
605	1C	*	A09-0104-08	BATTERY COVER		
610	2C	*	B03-2669-03	DRESSING PLATE		
-	-	*	B44-6006-04	POS LABEL		
-	-	*	B46-0096-23	WARRANTY CARD	X	P
-	-	*	B46-0121-03	WARRANTY CARD	E	T
-	-	*	B46-0122-13	WARRANTY CARD		
-	-	*	B46-0143-13	WARRANTY CARD	T	
-	-	*	B60-0227-00	INSTRUCTION MANUAL (ENGLISH)		
-	-	*	B60-0228-00	INSTRUCTION MANUAL (FRENCH)	PME	
-	-	*	B60-0229-00	INSTRUCTION MANUAL (S,C)	M	
-	-	*	B60-0256-00	INSTRUCTION MANUAL (G,D,I)	E	
615	1D		E03-0115-05	AC PLUG ADAPTER	M	
616	1D		E30-0505-05	AUDIO CORD		
617	1D		E30-0977-05	CORD WITH PLUG	PMX	
618	1D		E30-2275-05	AC POWER CORD	X	T
618	1D		E30-2276-05	AC POWER CORD		
618	1D		E30-2277-05	AC POWER CORD	ME	
618	1D		E30-2423-05	AC POWER CORD	P	
620	1D	*	E31-7895-05	PARALLEL CORD		
623	1C		G11-0155-14	SOFT TAPE (40X9X2)		
-	-	*	H01-8886-14	ITEM CARTON CASE		
-	-	*	H10-5099-02	POLYSTYRENE FOAMED FIXTURE		
-	-	*	H10-5100-02	POLYSTYRENE FOAMED FIXTURE	M	
-	-	*	H20-0554-04	PROTECTION COVER		
-	-	*	H25-0232-04	PROTECTION BAG (235X350X0.03)		
-	-		H25-0330-04	PROTECTION BAG	PXTE	
628	2E		J02-1002-05	FOOT		
629	1E		J19-0517-05	UNIT HOLDER		
630	1E, 2E		J19-3241-05	UNIT HOLDER		
631	1E	*	J19-3385-05	UNIT HOLDER		
632	2E	*	J42-0083-05	POWER CORD BUSHING		
635	2C		K27-2004-04	KNOB (POWER)		
636	2D	*	K29-4022-04	KNOB (PHONES LEVEL)		
637	2D	*	K29-4024-04	KNOB (PLAY/PAUSE STOP)		
638	2D	*	K29-4025-04	KNOB (OPEN/CLOSE)		
645	1E	*	L07-0172-05	POWER TRANSFORMER	P	
645	1E	*	L07-0173-05	POWER TRANSFORMER	XTE	
645	1E	*	L07-0174-05	POWER TRANSFORMER	M	
DP-3030						
601	1C	*	A01-1890-01	METALLIC CABINET		
602	2C	*	A20-6116-02	PANEL		
603	2C	*	A29-0174-03	PANEL (TRAY)		
604	1C	*	A70-0385-05	REMOTE CONTROLLER ASSY		
605	1C	*	A09-0110-08	BATTERY COVER		
610	2C	*	B03-2669-03	DRESSING PLATE		
-	-	*	B44-6006-04	POS LABEL		
-	-	*	B46-0094-03	WARRANTY CARD	Y	

E: Scandinavia & Europe K: USA P: Canada W: Europe

Y: PX (Far East, Hawaii) T: England M: Other Areas

Y: AAFES (Europe) X: Australia

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Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
-	-	*	B46-0095-03	WARRANTY CARD	Y	
-	-	*	B46-0096-23	WARRANTY CARD	X	
-	-	*	B46-0121-03	WARRANTY CARD	P	
-	-	*	B46-0122-13	WARRANTY CARD	E	
-	-	*	B46-0143-13	WARRANTY CARD	T	
-	-	*	B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-	-	*	B60-0231-00	INSTRUCTION MANUAL (ENGLISH)		
-	-	*	B60-0232-00	INSTRUCTION MANUAL (FRENCH)	PME	
-	-	*	B60-0233-00	INSTRUCTION MANUAL (S,C)	M	
-	-	*	B60-0257-00	INSTRUCTION MANUAL (G,D,I)	E	
615	1D		E03-0115-05	AC PLUG ADAPTER	M	
616	1D		E30-0505-05	AUDIO CORD		
617	1D		E30-0977-05	CORD WITH PLUG	PMYX	
618	1E		E30-2275-05	AC POWER CORD	X	
618	1E		E30-2276-05	AC POWER CORD	T	
618	1E		E30-2277-05	AC POWER CORD	ME	
618	1E		E30-2284-05	AC POWER CORD	Y	
618	1E		E30-2423-05	AC POWER CORD	P	
620	1E	*	E31-7895-05	PARALLEL CORD		
623	2C		G11-0155-14	SOFT TAPE (40X9X2)		
-	-	*	H01-8887-14	ITEM CARTON CASE		
-	-	*	H10-5099-02	POLYSTYRENE FOAMED FIXTURE		
-	-	*	H10-5100-02	POLYSTYRENE FOAMED FIXTURE	M	
-	-	*	H20-0554-04	PROTECTION COVER		
-	-	*	H25-0232-04	PROTECTION BAG (235X350X0.03)		
-	-		H25-0330-04	PROTECTION BAG	PYXTE	
628	2E		J02-1002-05	FOOT		
629	1E		J19-0517-05	UNIT HOLDER		
630	1E, 2E		J19-3241-05	UNIT HOLDER		
631	1E	*	J19-3385-05	UNIT HOLDER		
632	2E	*	J42-0083-05	POWER CORD BUSHING		
635	2C		K27-2004-04	KNOB (POWER)		
636	2D	*	K29-4022-04	KNOB (PHONES LEVEL)		
637	2D	*	K29-4024-04	KNOB (PLAY/PAUSE STOP)		
638	2D	*	K29-4025-04	KNOB (OPEN/CLOSE)		
645	1E	*	L07-0172-05	POWER TRANSFORMER	P	
645	1E	*	L07-0173-05	POWER TRANSFORMER	XTE	
645	1E	*	L07-0174-05	POWER TRANSFORMER	MY	
MECHANISM UNIT (X25-4150-21)						
S1			S33-2062-05	LEVER SWITCH (OPEN/CLOSE)		
CONTROL (X32-1730-10)						
C1			CC45FSL1H030C	CERAMIC 3.0PF C		
C2			CE04LW1A101M	ELECTRO 100UF 10WV		
C3			CE04LW1C330M	ELECTRO 33UF 16WV		
C4 , 5			CC45FSL1H150J	CERAMIC 15PF J		
C6 , 7			CE04LW1C330M	ELECTRO 33UF 16WV		
C8			CF92FV1H104J	MF 0.10UF J		
C9			C90-1349-05	NP-ELEC 1UF 50WV		
C10			CF92FV1H473J	MF 0.047UF J		
C11			C90-1349-05	NP-ELEC 1UF 50WV		
C12			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C13			CC45FSL1H470J	CERAMIC 47PF J		

E: Scandinavia & Europe K: USA P: Canada W: Europe

Y: PX (Far East, Hawaii) T: England M: Other Areas

Y: AAFES (Europe) X: Australia

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26
× New Parts
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Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C14			CF92FV1H332J	MF 3300PF J		
C15			CF92FV1H102J	MF 1000PF J		
C16			CF92FV1H103J	MF 0.010UF J		
C17			CF92FV1H104J	MF 0.10UF J		
C18			CF92FV1H563J	MF 0.056UF J		
C19			CF92FV1H104J	MF 0.10UF J		
C20			CF92FV1H333J	MF 0.033UF J		
C21			CE04LW1V100M	ELECTRO 10UF 35WV		
C22			CF92FV1H104J	MF 0.10UF J		
C23			CC45FSL1H121J	CERAMIC 120PF J		
C24			C90-1333-05	NP-ELEC 22UF 10WV		
C25 , 26			CK45FF1H103Z	CERAMIC 0.010UF Z		
C27			CC45FSL1H121J	CERAMIC 120PF J		
C28			C90-1455-05	NP-ELEC 0.1UF 50WV		
C29			CC45FSL1H270J	CERAMIC 27PF J		
C30			C90-1455-05	NP-ELEC 0.1UF 50WV		
C31			C90-1350-05	NP-ELEC 2.2UF 50WV		
C32			CK45FB1H332K	CERAMIC 3300PF K		
C33			C90-1455-05	NP-ELEC 0.1UF 50WV		
C34			CF92FV1H473J	MF 0.047UF J		
C35			CE04LW1C330M	ELECTRO 33UF 16WV		
C36			CF92FV1H563J	MF 0.056UF J		
C37			CE04LW1C330M	ELECTRO 33UF 16WV		
C38			CF92FV1H152J	MF 1500PF J		
C39			CF92FV1H473J	MF 0.047UF J		
C41			C90-1455-05	NP-ELEC 0.1UF 50WV		
C42			CF92FV1H473J	MF 0.047UF J		
C44			CF92FV1H181K	MF 180PF K		
C45			C90-1396-05	NP-ELEC 33UF 10WV		
C47 , 48			CE04LW1C330M	ELECTRO 33UF 16WV		
C53			CC45FSL1H121J	CERAMIC 120PF J		
C101, 102			CE04LW1C222M	ELECTRO 2200UF 16WV		
C103			CE04LW1H47M	ELECTRO 4.7UF 50WV		
C104			CE04LW1H47M	ELECTRO 4.7UF 50WV		
C105			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C106			CE04LW1H47M	ELECTRO 4.7UF 50WV		
C107			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C108, 109			CE04LW0J221M	ELECTRO 220UF 6.3WV		
C110			CE04LW1H470M	ELECTRO 47UF 50WV		
C111			CK45FF1H103Z	CERAMIC 0.010UF Z		
C112			CE04LW1V100M	ELECTRO 10UF 35WV		
C119			CE04LW1A101M	ELECTRO 100UF 10WV		
C120			CE04LW1C470M	ELECTRO 47UF 16WV		
C125			CE04LW1V100M	ELECTRO 10UF 35WV		
C126			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C128			CE04LW1A101M	ELECTRO 100UF 10WV		
C129, 130			CE04LW1V100M	ELECTRO 10UF 35WV		
C201, 202			CF92FV1H104J	MF 0.10UF J		
C205, 206			CE04LW1A101M	ELECTRO 100UF 10WV		
C207, 208			CF92FV1H101K	MF 100PF K		
C209-212			CF92FV1H331K	MF 330PF K		
C213, 214			CF92FV1H472J	MF 4700PF J		
C215, 216			CF92FV1H471J	MF 470PF J		
C221			CK45FF1H473Z	CERAMIC 0.047UF Z		
C223, 224			CE04LW1C470M	ELECTRO 47UF 16WV		

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Ref. No. 参照番号	Address 位 置	New Parts	Parts No. 部 品 番 号	Description 部 品 名 / 規 格	Desti- nation 仕 向	Re- marks 備考
C225, 226 C227, 228 C229-232 C229, 230 C233, 234			CE04LW1C330M CC45FSL1H121J CF92FV1H471J CF92FV1H471J CK45FB1H102K	ELECTRO 33UF 16WV CERAMIC 120PF J MF 470PF J MF 470PF J CERAMIC 1000PF K	4030 3030	
C235, 236 C307 C308 C310, 311 C312			CE04LW1C470M CE04LW1C330M CE04LW1H4R7M CK45FB1H102K CK45FF1H103Z	ELECTRO 47UF 16WV ELECTRO 33UF 16WV ELECTRO 4.7UF 50WV CERAMIC 1000PF K CERAMIC 0.010UF Z		
C313 C314 C317 C318 C319			CC45FSL1H221J CE04LW1A101M CK45FF1H103Z CE04LW1C330M CK45FF1H103Z	CERAMIC 220PF J ELECTRO 100UF 10WV CERAMIC 0.010UF Z ELECTRO 33UF 16WV CERAMIC 0.010UF Z	4030 4030 4030	
C320 C321 C322 C323 C324			CF92FV1H121K CC45FCH1H680J CF92FV1H104J CF92FV1H102J CC45FCH1H680J	MF 120PF K CERAMIC 68PF J MF 0.10UF J MF 1000PF J CERAMIC 68PF J		
C327 C328 C329, 330 C401, 402			CF92FV1H102J CE04LW1C330M CF92FV1H104J C91-0971-05	MF 1000PF J ELECTRO 33UF 16WV MF 0.10UF J FILM 0.01UF 250WV		
CN4 CN7 J1 J1 J2	1E 1E		E10-3502-05 E10-3503-05 E13-0244-05 E13-1404-05 E11-0188-05	FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR PHONE JACK (LINE OUTPUT) PHONE JACK (LINE OUTPUT) MINIATURE PHONE JACK (SYSTEM)	3030 4030	
J3	2D		E11-0199-05	PHONE JACK (HEAD PHONES)		
L1 L302 L302, 303 L305 L307, 308			L40-1001-17 L40-2291-17 L40-2291-17 L40-1001-17 L40-1011-17	SMALL FIXED INDUCTOR(10UH,K) SMALL FIXED INDUCTOR(2.2UH) SMALL FIXED INDUCTOR(2.2UH) SMALL FIXED INDUCTOR(10UH,K) SMALL FIXED INDUCTOR(2.2UH)	3030 4030	
L401 X1		*	L79-0785-05 L77-1194-05	LINE FILTER CRYSTAL RESONATOR(16.9MHZ)		
R57 R118 VR1 VR2 VR3 , 4			RS14KB3A3R9J RS14KB3A1R5J R12-3126-05 R12-3128-05 R12-3126-05	FL-PROOF RS 3.9 J 1W FL-PROOF RS 1.5 J 1W TRIMMING POT.10K(FE BAL) TRIMMING POT.22K(FE BAL) TRIMMING POT.10K(FE/TE GAIN)		
VR5 VR5	2D 2D	* *	R06-4084-05 R29-1007-05	POTENTIOMETER(OUTPUT) POTENTIOMETER WITH MTR(OUTPUT)	3030 4030	
S1 -35 S36 S37	1C 1C 1E		S40-1064-05 S40-2370-05 S31-2131-05	PUSH SWITCH PUSH SWITCH (POWER) SLIDE SWITCH (POWER VOLTAGE)		M
D1 D1 D101-108 D109, 110 D109, 110			HSS104 1SS133 S5566B HZS5.6S(B2) RD5.6JS(B2)	DIODE DIODE DIODE ZENER DIODE ZENER DIODE		

× New Parts

Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
D111 D111 D112 D112 D125-127			HZS5.1S(B2) RD5.1JS(B2) HZS7.5S(B) RD7.5JS(B) HSS104	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE DIODE		
D125-127 D201 D201 D202 D202			1SS133 HZS6.2N(B2) RD6.2ES(B2) HSS104 1SS133	DIODE ZENER DIODE ZENER DIODE DIODE DIODE		
D301,302 D301,302 D304-306 D304-306 D308			HSS104 1SS133 HSS104 1SS133 HSS104	DIODE DIODE DIODE DIODE DIODE	4030	
D308 D320-327 D320-327 D401-410 D401-410			1SS133 HSS104 1SS133 HSS104 1SS133	DIODE DIODE DIODE DIODE DIODE	4030	
FL1 IC1 IC2 IC3 ,4 IC5	1C	*	CPF2417GR CXA1471S CXA1372Q TA8410AK TA8409S	FLUORESCENT INDICATOR TUBE IC(RF AMP) IC(CD RF SERVØ) IC(DUAL POWER AMP) IC(MOTOR CONTROL)		
IC6 IC7 IC10 IC11 IC12		*	CXD2500Q UPD75216ACW-B81 TA8409S SM5840DP SM5860DP	IC(SIGNAL PROCESSOR) IC(MICROPROCESSOR) IC(MOTOR CONTROL) IC(DIGITAL FILTER) IC(D/A CONVERTER)	4030	
IC13,14 IC15,16 IC17,18 Q1 Q2			NJM4580D NJM4565L NJM4558D 2SA954(L,K) 2SC1740S(Q,R)	IC(OP AMP X2) IC(OP AMP X2) IC(OP AMP X2) TRANSISTOR TRANSISTOR		
Q2 Q3 ,4 Q101 Q102,103 Q104			2SC945(A)(Q,P) DTC124ES 2SD1944 2SA954(L,K) 2SA733(A)(Q,P)	TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q104 Q105,106 Q105,106 Q107 Q108			2SA933S(Q,R) 2SC1740S(Q,R) 2SC945(A)(Q,P) 2SA954(L,K) 2SC3940A	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q201,202 Q203-206 Q308 Q310 Q310			DTC124ES 2SC2878(B) 2SC1923(R,Ø) 2SA733(A)(Q,P) 2SA933S(Q,R)	DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	4030 4030	
Q312 Q401-403 Q401-403			DTC124ES 2SC1740S(Q,R) 2SC945(A)(Q,P)	DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR		
A1			W02-0975-05	ELECTRIC CIRCUIT MODULE		

× New Parts

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Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
A2	1E		W02-1036-05	TRANSMITTING ASSY(OPTICAL ØUT)	4030	
MECHANISM (X92-1600-10)						
101 103 104	2B 3B 1B	*	A10-2798-02 A11-0695-05 A11-0686-03	CHASSIS ASSY SUB CHASSIS (FRAME) SUB CHASSIS (CLAMP)		
109 110 111 112 113	1B 2A 1B 2B 1A	*	D10-2479-03 D10-2481-04 D10-2489-04 D10-2490-04 D10-2491-04	SLIDER ARM ASSY RØD (SLIDER) RØD (DISC UP) RØD (RETAINER)		
114 115 116 117 118	1A 1A 1B 1A 1A	*	D13-0744-04 D13-0779-04 D13-0780-04 D13-0890-04 D13-0891-03	GEAR GEAR (PULLEY) GEAR (INTERMEDIATE) GEAR (IDLER) GEAR (MAIN)		
119 120 121 122 125	1A 3B 2B 3B 2B	*	D13-0892-04 D13-0894-05 D13-0895-05 D13-0896-05 D14-0324-04	GEAR GEAR (FM) GEAR (INTERMEDIATE) GEAR (FEED) RØLLER		
126 127 128 130	2B 2B 1B 1A	*	D14-0325-04 D15-0295-04 D16-0309-03 D23-0267-03	RØLLER ASSY MØTOR PULLEY BELT RETAINER		
135 136 137 138	1B 2B 2B 2B	*	E23-0343-04 E31-7715-05 E31-7716-05 E31-7868-05	TERMINAL WIRING HARNESS (8P)(RED/WHITE) WIRING HARNESS (8P)(BLUE/WHITE) WIRING HARNESS (4P)		
140	1A	*	F19-1027-04	BLIND PLATE		
145 146 147 148	3B 3B 1A 2A	*	G01-3326-04 G01-3327-04 G11-2038-04 G16-0766-04	COMPRESSION SPRING (FRONT) COMPRESSION SPRING (REAR) CUSHION SHEET		
152 153 154 155 156	2B 1B 3B 2A 2A	*	J02-1058-05 J11-0168-03 J19-3335-05 J99-0088-03 J99-0089-01	INSULATOR CLAMPER BRACKET TRAY ASSY TRAY		
160 A B D E	1B		N19-0366-04 N09-2769-05 N35-2605-46 N09-2705-05 N86-2606-46	FLAT WASHER MACHINE SCREW BINDING HEAD MACHINE SCREW MACHINE SCREW BINDING HEAD TAPTITE SCREW		
165	3A		S33-1022-05	LEVER SWITCH		
170 171 DM FM LM	3B 3B 3B 3B 2B	*	T50-1055-04 T99-0503-05 A11-0679-18 T42-0532-05 T42-0530-05	YØKE MAGNET SUB CHASSIS ASSY(DISC MØTOR) DC MØTOR (FEED) DC MØTOR (LOADING)		
PU	2B		T25-0011-05	OPTICAL PICKUP HEAD (KSS-210A)		

PARTS LIST

DP-3030/4030

E: Scandinavia & Europe K: USA P: Canada W: Europe

Y: PX(Far East, Hawaii) T: England M: Other Areas

Y: AAFES(Europe) X: Australia

△ indicates safety critical components.

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MC-Service

